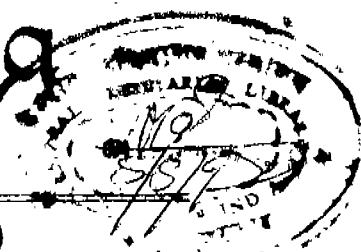




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2— [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 11 मार्च, 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोत के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांकी इस्टेट,
तीसरा तल, लीजर परपेल (प.),
मुम्बई-400013।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र जहाँगढ़।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिविदि द्वीप।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
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234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020।

भारत का अग्रणीय क्षेत्र।

तार पता - "पेटेंटोफिस"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीकृत सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है।

CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec-2, dated 05th Sept, 1997, notified on 04th Oct., 1997 delete the Patent Application No. 133/Bom/93 (177739) which was inadvertently sealed.

CHANGE OF ADDRESS

The address of service in respect of Shri Sekhar Ranjan Gupta and Shri A. A. Mohan, Patent Attorneys is changed as follows :

Address-

Shri Sekhar Ranjan Gupta,
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Shri A. A. Mohan,
M/s. Mohan Associates,
Advocate, Patents and Trade Mark Attorneys,
Flat No. D-4, III-Floor,
Ceebros Building, Door No. 11,
Cenotoph Road, Teynampet,
Chennai-600 018.

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates
claimed under section 135, under patent Act, 1970.

16-01-1998

79/Cal/98. Philips Electronics N.V., "Device for recording
and/or reproducing information" (Convention No.
97200229.9 on 29-01-97 in Europe).

80/Cal/98. Eli Lilly & Company Limited, "Pharmaceutical
Compounds" (Convention No. 9700895.7 on
17-01-1997 in United Kingdom).

81/Cal/98. Rielda S.R.L., "A programmable cylinder lock,
provided with master keys". (Convention No.
TO97A000192 on 10-3-97 Italy).

82/Cal/98. Siemens Aktiengesellschaft, "Method and arrange-
ment for transferring programs". (Conven-
tion No. 19713060.7 on 27-3-97 in Germany).

83/Cal/98. Metallgesellschaft Aktiengesellschaft, "Process of
producing ethylene, propylene and butene isomers
from a mixture containing olefins". (Convention
No. 19738105.7 on 1-9-97 in Germany).

84/Cal/98. Mr. Swapan Ghorai, "A medicinal preparation".

19-01-98

65/Cal/98 Philips Electronics N.V., "Display device for a 7-segment front". (Convention No. 9700579 on 21-01-97 in France).

65/Cal/98 Samsung Electronics Co., Ltd., "Apparatus and method for fastening a bolt to an article". (Convention No. 97-2322 on 28-01-97 in Republic of Korea).

87/Cal/98 Samsung Electronics Co., Ltd., "Apparatus for holding a motor for assembling a belt to a motor assembly". (Convention No. 97-3053 on 31-1-97 in Republic of Korea).

98/Cal/98 Samsung Electronics Co. Ltd., "Tray supplying apparatus". (Convention No. 97-2312 & 97-2316 on 28-01-97 in Republic of Korea).

39/Cal/98 Samsung Electronics Co. Ltd., "Apparatus for assembling a cooling fan with a motor assembly".

Date Country Convention No.

28-01-97 Republic of Korea 97-2323

28-01-97 Republic of Korea 97-2324

30-01-97 Republic of Korea 97-2710

31-01-97 Republic of Korea 97-3052.

90/Cal/98 Asta Medica AG, "Novel modifications of 2-amino-4-(4-fluorobenzylamino)-1-ethoxycarbonylaminobenzene, and processes for their preparation". (Convention No. 19701694.4 on 20-1-97 in Germany).

91/Cal/98 Hill-Rom, Inc., "Apparatus and method for upgrading a hospital room". (Convention No. 68/792,881 on 31-1-97 in USA).

92/Cal/98 The Nippert Co., "Resistance welding electrode and process for making". (Convention No. 08/794,475 on 4-2-97 in USA).

93/Cal/98 Siemens Aktiengesellschaft, "Method of initializing a simulation of the behaviour of an industrial plant, and simulation system for an industrial plant". (Convention No. 19701928.5 on 21-1-97 in Germany).

94/Cal/98 Siemens Matsushita Components GmbH & Co. KG., "Electrical component". (Convention No. 19701476.3 on 17-1-97 in Germany).

95/Cal/98 Zellweger Uster, Inc., "Air curtain nep separation and detection". (Convention No. 08/885,588 on 30-6-97 in U.S.).

96/Cal/98 Encomtech Engineering Services Ltd., "Method and means of temperature control". (Convention No. 9701711.5 on 28-1-97 in Great Britain).

20-01-1998

97/Cal/98 Lifecare AS, "Self-Destructing hypodermic syringe". (Convention No. 970576 on 7-2-97 in Norway).

98/Cal/98 Nokia Telecommunications OY, "System for carrying out checking functions relating to safety management in a mobile communication network and/or in a wireless local network". (Convention No. 970278 on 23-1-97 in Finland).

99/Cal/98 Johnson Electric S.A., "Rotation detector". (Convention No. 9701538.2 on 24-1-97 in United Kingdom).

100/Cal/98 Samsung Electronics Co. Ltd., "Dual band antenna for mobile communications". (Convention No. 25177/1997 on 17-6-97 in Korea).

101/Cal/98 Samsung Electronics Co. Ltd., "Dual band antenna". (Convention No. 33877/1997 on 19-7-97 in Korea).

102/Cal/98 Samsung Electronics Co. Ltd., "Method and device for transmitting video data in radio communication system".

103/Cal/98 Samsung Electronics Co. Ltd., "Method of manufacturing preform of optic fibers". (Convention No. 1473/1997 on 20-1-97 in Korea).

104/Cal/98 Matsushita Electric Industrial Co. Ltd., "Fast fourier transforming apparatus and method, variable bit reverse circuit, inverse fast fourier transforming apparatus and method, and of dm receiver and transmitter". (Convention No. 9-009204 on 22-1-97 & 9-212861 on 7-8-97 in Japan).

105/Cal/98 Siemens Aktiengesellschaft, "Method and arrangement for the coding and decoding of a digitized picture". (Convention No. 19703672.4 on 31-1-97 in Germany).

106/Cal/98 Siemens Aktiengesellschaft, "Method for the active damping of combustion oscillation and combustion apparatus". (Convention No. 19704540.5 on 6-2-97 in Germany).

107/Cal/98 Interwave Communications International Ltd., "Method and apparatus for providing intelligent cellular handoff". (Convention No. 08/790,206 on 5-2-97 in USA).

21-1-1998

108/Cal/98 Advanced Engine Technology Pty Ltd., "Improved axial piston rotary engines".

109/Cal/98 Samsung Electronics Co. Ltd., "Data decoding apparatus and method". (Convention No. 97-31992 on 10-7-97 in Republic of Korea).

110/Cal/98 1. Edgar F. Codd 2. Sharon Codd. "Delta model processing logic representation and execution system". (Convention No. 60/034,206 on 21-1-97 & 60/036,702 on 31-1-97 in U.S.A.).

111/Cal/98 Owens Corning, "Acoustically insulated apparatus". (Convention No. 68/789,863 on 28-1-97 in USA).

112/Cal/98 Kankyo Co. Ltd., "Method and apparatus for dehumidifying air".

113/Cal/98 The Australian National University, "A method of producing thin silicon epitaxial films". (Convention No. P04686/97 on 21-1-97 in Australia).

22-01-1998

114/Cal/98 Betzdecarbonyl Inc., "A method of obtaining an aqueous system, wherein precipitation and deposition of calcium oxalate scale are caused to be inhibited, thereby preventing said system from deterioration/damage". (Convention No. 08/801,272 on 18-2-97 in U.S.A.).

115/Cal/98 Siemens Aktiengesellschaft, "Burner arrangement and method of actively damping a combustion oscillation". (Convention No. 19704120.5 on 4-2-97 in Germany).

116/Cal/98 Siemens Aktiengesellschaft, "Apparatus for the recombination of hydrogen in a gas mixture". (Convention No. 19704608.8 on 7-2-97 in Germany).

117/Cal/98 Siemens Aktiengesellschaft, "Method for controlling the statutory monitoring of telecommunication traffic". (Convention No. 19705505.2 on 13-2-97 in Germany).

23-01-1998

118/Cal/98 Continuous Cycle Engine Development Co. Ltd., "Combustion chamber for engines". (Convention No. 314173 on 3-2-97 in New Zealand).

119/Cal/98 Siemens Aktiengesellschaft, "Method for production of a precious metal containing structure on a base and semiconductor component with such a precious metal containing structure". (Convention No. 19703205.2 on 29-1-97 in Germany).

120/Cal/98 Siemens Aktiengesellschaft, "Method and arrangement for coding and decoding of a digitalised picture". (Convention No. 19703670.8 on 31-1-97 in Germany).

121/Cal/98 Asta Medica AG, "Solid pharmaceutical compositions containing miltefosine for oral administration in the treatment of leishmaniasis".

122/Cal/98 Asta Medica AG., "Solid pharmaceutical compositions containing miltefosine for oral administration in the treatment of leishmaniasis".

27-01-1998

123/Cal/98 British Telecommunications Public Ltd. Co., "Operation support system for communications". (Convention No. 9701626.5 on 27-1-97 & 9701677.8 on 28-1-97 in Great Britain).

124/Cal/98 Horst Mosshammer Von Mosshaim, "Table top model hot plate or warming plate appliance". (Convention No. 96/6367 on 26-1-97 in South Africa).

125/Cal/98 Horst Mosshammer Von Mosshaim, "Modular hot plates". (Convention No. 96/6369 on 26-1-97 in South Africa).

126/Cal/98 Horst Mosshammer Von Mosshaim, "Spider mounting system". (Convention No. 96/6368 on 26-1-97 in South Africa).

127/Cal/98 Unifill (International) AG, "An improved container". (Convention No. 9701548.1 on 25-1-97 in United Kingdom).

128/Cal/98 ELI Lilly & Co., "Sulphonamide derivatives". (Convention No. 9702194.3 on 4-2-97 in Great Britain).

129/Cal/98 KFX Inc., "Method and apparatus for reducing the by-product content in carbonaceous materials".

130/Cal/98 KFX Inc., "Process for treating carbonaceous material".

131/Cal/98 Windmoller & Holscher, "Device for winding web-shaped material". (Convention No. 19704555.3 on 6-2-97 in Germany).

132/Cal/98 Mannesmann VDO AG., "Device for reduction of surge noises in a fuel tank". (Convention No. 19706658.5 on 20-2-97 in Germany).

133/Cal/98 Mannesmann VDO AG., "Dial face". (Convention No. 197005536.2 on 13-2-97 in Germany).

28-01-1998

134/Cal/98 Ctech AG., "Multipurpose handheld implement". (Convention No. 197 02 955.8 on 28-1-97 & 197 45 799.1 on 16-10-97).

135/Cal/98 Dimminaco AG., "Process for preparation of infectious bursitis vaccine".

136/Cal/98 Dimminaco AG., "Infectious bursitis vaccine".

137/Cal/98 Lanxide Technology Co. Ltd. and E.I. Du Pont De Nemours and Co., "Improved reverberatory screen for a radiant burner". (Convention No. 08/789,236 on 28-1-97 in U.S.A.).

138/Cal/98 1. Siemens Aktiengesellschaft. 2. Pav Card GMBH, "Carrier element for mounting in combination chipcards and such a combination chip card". (Convention No. 19703057.2 on 28-1-97 in Germany).

139/Cal/98 Samsung Electronics Co. Ltd., "Rake receiver for reducing hardware consumption and improving search performance". (Convention No. 15760/1997 on 26-4-97 in Korea).

140/Cal/98 Samsung Electronics Co. Ltd., "Television set and method for setting audio and video outputs". (Convention No. 26129/1997 on 20-6-97 in Korea).

141/Cal/98 Merck Patent Gesellschaft Mit Beschränkter Haftung, "Novel Manganese Dioxide Electrodes method for fabricating them and use thereof". (Convention No. P19703480.2 on 31-1-97 & DE-19749763.2 on 11-11-97 in Germany).

142/Cal/98 Emitec Gesellschaft für Emissionstechnologie MBH, "Honeycomb body, in particular a catalytic converter carrier body, with reinforced wall structure". (Convention No. 19704129.9 on 4-2-97 in Germany).

143/Cal/98 Emitec Gesellschaft für Emissionstechnologie MBH, "Extruded honeycomb body, in particular a catalytic converter carrier body, with reinforced wall structure". (Convention No. 19704144.2 on 4-2-97 in Germany).

144/Cal/98 Emitec Gesellschaft für Emissionstechnologie MBH, "Process and apparatus for producing a honeycomb body". (Convention No. 19704521.9 on 6-2-97 in Germany).

145/Cal/98 Emitec Gesellschaft für Emissionstechnologie MBH, "Honeycomb body with flattened cross-sectional region". (Convention No. 19704690.8 on 7-2-97 in Germany).

146/Cal/98 Emitec Gesellschaft für Emissionstechnologie MBH, "Honeycomb body with a cross-sectional region which is bordered in the interior, in particular for small engines". (Convention No. 19704689.4 on 7-2-97 in Germany).

147/Cal/98 Reilly Industries, Inc., "Processes for producing 3-cyanopyridine from 2-methyl-1, 5-pentanediamine". (Convention No. 60/036,562 on 29-1-97 in USA).

148/Cal/97 Ohio Electronic Engravers, Inc., "Automatic tool changing system and method for use in an engraver".

29-01-1998

149/Cal/98 Borealis A/s., "Composition for electric cables". (Convention No. 9700374-3 on 4-2-97 in Sweden).

150/Cal/98 Dr. Amallesh Sirkar, "An improved process for the manufacture of acetic acid or vinegar from ethyl alcohol, and novel packing material for use therein".

151/Cal/98 Zellweger Uster, Inc., "Fiber quality monitor". (Convention No. 08/962,973 on 28-10-97 in US).

152/Cal/98 Nokia Telecommunications OY, "System for the setup of an emergency call made by an unidentified subscriber in a wireless local loop". (Convention No. 970496 on 31-1-97 in Finland).

153/Cal/98 Alpha Fry Ltd., "A process of forming an alloy for solder joint". (Convention No. 9701819.6 on 29-1-97 in United Kingdom).

154/Cal/98 Danieli & C. Officine Meccaniche SPA, "Rolling method for thin flat products and relative rolling line". (Convention No. UD97A000063 on 10-4-97 in Italy).

155/Cal/98 New Transducers Ltd., "Electro-Dynamic exciter". (Convention No. 9701983.0 on 31-1-97 in United Kingdom).

156/Cal/98 Synthelabo, "α-Azacyclomethyl benzothioephene and α-azacyclomethyl benzofuran derivatives, their preparation and their application in therapeutics". (Convention No. 9700983 on 30-1-97 & 9704385 on 10-4-97 in France).

02-02-1998

- 157/Cal/98 Inmed Investment Holding Co. (Proprietary) Ltd., "Container for intravenous fluid", (Convention No. 97/0865 on 3-2-97 in South Africa).
- 158/Cal/98 Grunbeck Wasseraufbereitung GMBH, "Apparatus for directing, controlling, regulating, measuring and monitoring liquid streams and water conditioning apparatus", (Convention No. 19704636.8 on 7-2-97 in Germany).
- 159/Cal/98 Nokia Telecommunications OY, "System for the processing of an unexpected disconnect request", (Convention No. 970477 on 4-2-97 in Finland).
- 160/Cal/98 Samsung Electronics Co. Ltd., "Tunable filtering device for optical communications", (Convention No. 97-5470 on 22-02-97 in Republic of Korea).
- 161/Cal/98 Samsung Electronics Co. Ltd., "Method of manufacturing monocrystalline silicon ingots and wafers by controlling pull rate profiles in a hot zone furnace, and ingots and wafers manufactured thereby", (Convention No. 97-4291 on 13-2-97; 97-54899 on 24-10-97 in Republic of Korea and on 24-10-97 and on 17-12-97 in U.S.A.).
- 162/Cal/98 Indian Institute of Technology, "A process for the preparation of free-flowing dehydrated tomato powder".
- 163/Cal/98 Bridgestone Corporation, "Pneumatic radial tires", (Convention No. 9-25,024 on 7-2-97 in Japan).
- 164/Cal/98 Officine Di Borgo San Giovanni S.P.A., "Method for producing molding cores having a complex shape, and core produced thereby".
- 165/Cal/98 Cytéc Technology Corp., "Sizing emulsions", (Convention No. 08/795,179 on 4-2-97 in U.S.A.).
- 166/Cal/98 Degussa Aktiengesellschaft, "Process for preparing alkali metal cyanide and alkaline earth metal cyanide granules and the high purity alkali metal cyanide granules obtainable thereby", (Convention No. 197 04 180.9 on 5-2-97 in DE).
- 167/Cal/98 F.I. Du Pont De Nemours and Co., "Protective chain saw chaps", (Convention No. 60/036,869 on 5-2-97 & Nil on 23-1-98 in U.S.A.).
- 168/Cal/98 Saint-Gobain Vitrage, "Transparent substrate provided with at least one thin layer based on silicon nitride or oxynitride and the process for obtaining it", (Convention No. 97 01468 on 10-2-97 in France).

ALTERATION OF DATE

(180729) filed on 04-01-91.
7/Del/91 Ante dated to 27-11-87.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में 6 करोड़ पर पेटेंट अन्वयन के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी विपक्षक, एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अन्वय हैं।

संकेत (चित्र आरंभों) की फांसे प्रतियां, यदि कोई हों, के साथ विनिर्देशों की अंशिक अथवा फांसे प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जैसे उक्त कार्यालय से पत्र व्यवहार द्वारा गतिविध करने के उपरान्त उसकी वैधानी पर की जा सकती है। विनिर्देश की एक संस्था के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे धारित चित्र आरंभ कागजों की जोड़कर उन 2 से गुणा करके, (वर्षांक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फांसे लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 128 F
Int. Cl. : A 61 M 1/00.

180711

A POWDER INHALATION DEVICE.

Applicant : NORTON HEALTHCARE LTD., OF GEMINI HOUSE, FLEX MEADOW, HARLOW, ESSEX CM-19 5TJ, ENGLAND.

Inventor : RAYMOND BACON.

Application No. 346/Cal/1992 filed on 21st May, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A powder inhalation device, comprising :

a powder reservoir, said powder reservoir capable of containing a powdered medicament and a volume of air therein;

a metering chamber extending from the powder reservoir;

a means (4) for compressing the volume of air within the reservoir;

and

passage means (3) extending from the reservoir to the atmosphere for venting air from the powder reservoir, through the metering chamber and into the atmosphere as the pressure of the volume of air in the powder reservoir is increased by the compressing means, the volume of air carrying powdered medicament into the metering chamber and through a selectively-openable barrier into an inhaling chamber.

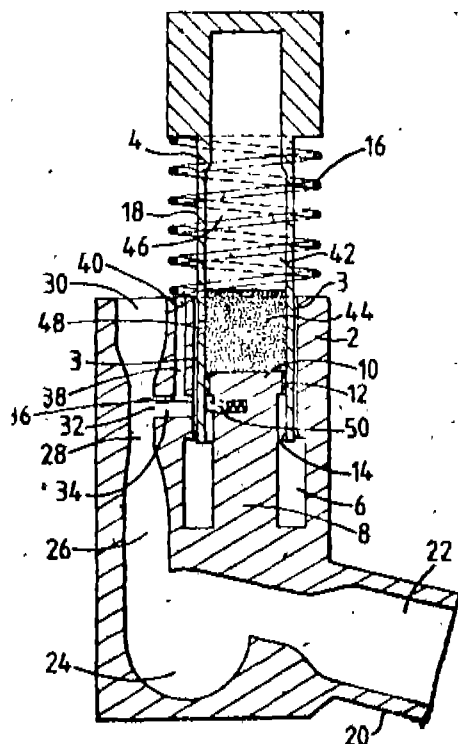


FIG. 1

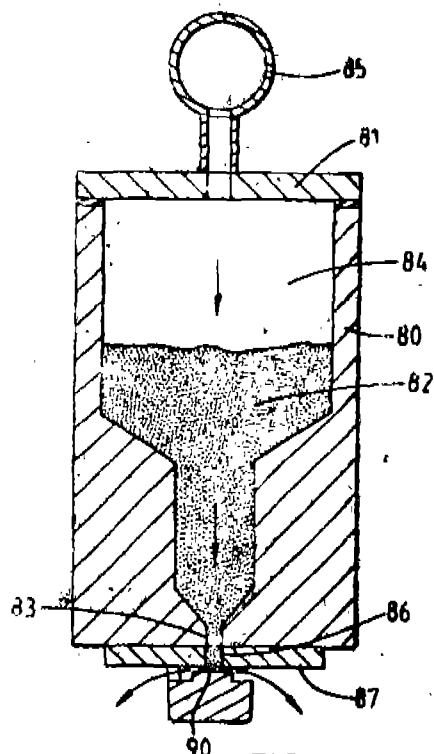


FIG. 3

(Compl. Specn. 18 pages;

Drgns. 3 sheets.)

Cl. : 172 C4 D4

180712

Int. Cl. : D 01 H 5/26, 5/58,
5/82, 5/86, 5/88.

A SLIVER GUIDING ARRANGEMENT FOR DRAFTING
UNITS OF SPINNING MACHINES".

Applicant : FRITZ STAHLER, OF JOSEF-NEIDHARTSTRASSE 18 7347 BAD UBERKINGEN, FRG, AND HANS STAHLER, OF HALDENSTRASSE 20 7334 SUSSEN, FRG.

Inventor : FRITZ STAHLER.

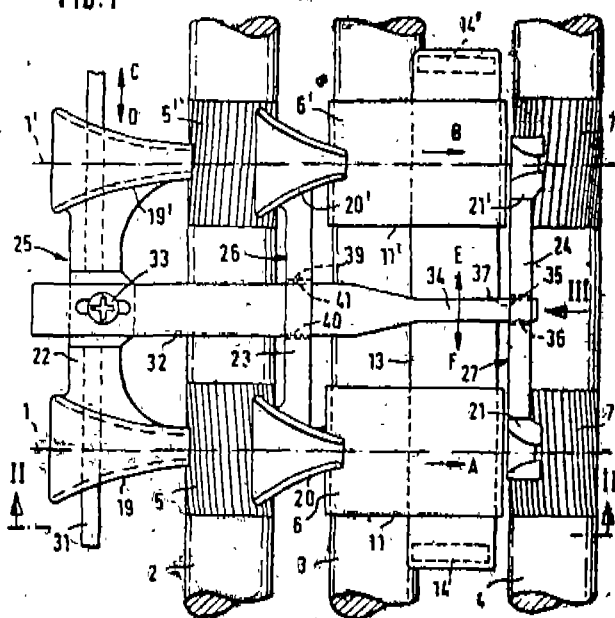
Application No. 246/Cal/1993 filed on 29th April, 1993.

Appropriate Office for Opposition Proceedings (Rule 1, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A sliver guiding arrangement for drafting units of spinning machines, comprising at least two sliver guides which are assigned to adjacent slivers and which are arranged in front of a wedge-shaped gap of a clamping roller pair and which guides are connected with one another to form a structural member by means of a coupling member which is driven via a driving device by means of a traversing rod to carry out traversing movements, characterized in that the driving device (32) is a leaf spring which rests on a sliding surface (3, 9; 4, 10; 13; 50, 50'; 57, 58) and which is connected to the coupling member (23; 24) in such a manner that the coupling member (23; 24) is fixed to the driving device (32) in the direction parallel to the wedge-shaped gap (29; 30) and movable relatively to the driving device (32) in the direction towards the wedge-shaped gap (29; 30).

FIG. 1



(Compl. Specn. 20 pages;

Drgns. 6 sheets.)

Cl. : 183

180713

Int. Cl. : A 47 G 29/00.

APPARATUS FOR ORIENTATING AN OBJECT ON A
FIRST PLANE WITH REFERENCE TO A SECOND
PLANE.

Applicant : HOLLANDSE SIGNAALAPPARATEN B.V., OF ZUIDELIJKE HAVENWEG 40, 7550-GD HENGLO, THE NETHERLANDS.

Inventors :

1. WILHELMUS MARIE HERMANUS VAASSEN.
2. ALBERT GROENENBOOM.

Application No. 496/Cal/1993 filed on 30th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Apparatus for orienting an object on a first plane (12) with reference to a second plane (2), comprising a first housing (3) attached to the second plane (2), a second housing (7) rotatably mounted on the first housing (3) around a first axis N which forms an angle B_1 unequal to zero with a normal Z on the second plane (2), a third housing (11) rotatably mounted on the second housing (7) around a second axis L which forms an angle B_2 unequal to zero with the first axis N, and first and second drive means arranged to rotate the second and the third housing, the first housing, and second housing and the third housing having an annular shape, characterized in that, said third housing (11) comprises a rotatable upper surface (12) with a third rotation axis M which forms an angle B_3 unequal to zero with the second axis L and third drive means for rotating the rotatable upper surface of the third housing.

the first, second and third drive means comprise respectively a first motor mounted on the first housing (3), arranged to rotate the second housing (7) with respect to the first housing (3), a second motor mounted on the second housing (7), arranged to rotate the third housing (11) with respect to the second housing (7) and a third motor mounted on the third housing (11), arranged to rotate the upper surface (12) of the third housing (11) with respect of the third housing :

angle indicators provided which are arranged to measure the angular rotation of the second housing, the third housing and the rotatable upper surface of the third housing;

and control means (42 to 52) provided which are connected to the angle indicators and the motors and which are arranged to control the first and second motor for orienting the first plane with respect to the second plane (2) and to control the third motor for rotating the object in the first plane.

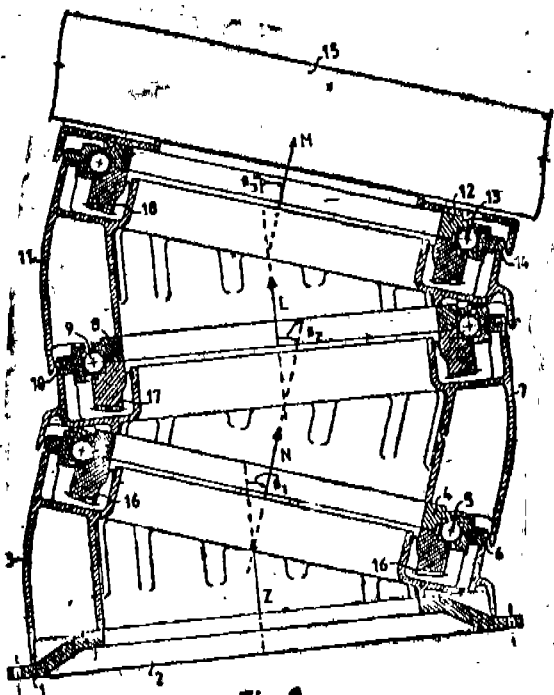


Fig.1

Cl. : 6 B 2

180714

Int. Cl. : A 61 L 9/20.

GERMICIDAL AIR FILTER.

Applicant : ENGINEERING DYNAMICS LTD., OF HIGHWAY 15, R. R. 1, CARLETON PLACE, ONTARIO K7C 3P1, CANADA.

Inventor : WILLIAM EDWARD PICK.

Application No. 541/Cal/1993 filed on 16th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A germicidal air filter, comprising :

a filter medium for removing particulate matter including at least a portion of microorganisms from an air stream to be filtered, the filter medium having an upstream side exposed to the air to be filtered;

at least one ultraviolet radiation source located in proximity of the upstream side of the filter medium for exposing at least a portion of that side of the filter medium to ultraviolet radiation;

the at least one radiation source and the filter medium being displaceable with respect to each other; and

means for displacing the at least one of the radiation source or the filter medium so that a surface of the upstream side of the filter medium is systematically exposed to germicidal levels of radiation.

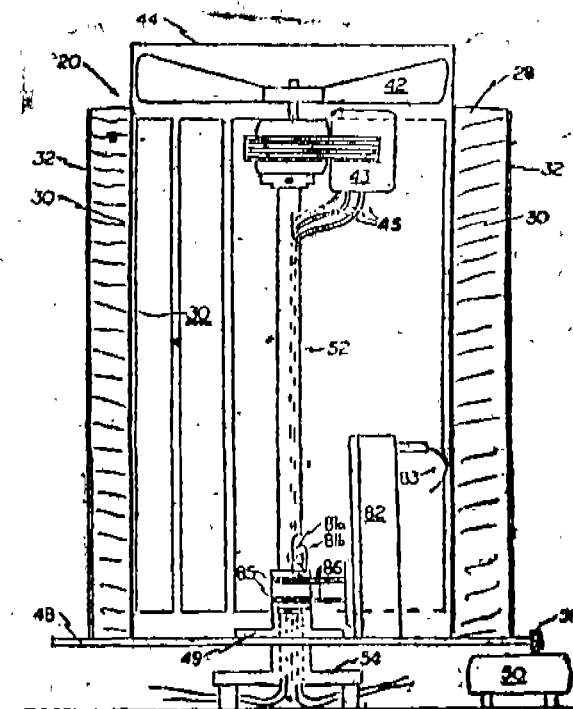


FIG.2

Cl. : 93

180715

Int. Cl. : B01J 3/20.

DEVICE FOR PRODUCING GRANULATE FROM MELTABLE COMPOUNDS.

Applicant : SANTRADE LTD., OF ALPENQUAL 12, 6002 LUZERN, SWITZERLAND.

Inventor : REINHARD FROESCHKE.

Application No. 707/Cal/1993 filed on 19th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Device for producing granulate from meltable compounds comprising :

a stationary inner hollow cylinder (3) supported at least at one end and having an inner cavity for receiving melted compound, said inner hollow cylinder (3) having an outer periphery formed with at least one row of downwardly directed first openings (10) communicating with said hollow cylinder.

a rotatable outer pipe (1) disposed coaxially on said outer periphery and comprising second openings (2) which are cyclically aligned with said first openings for enabling melted compound to drip from said device,

bearing and sealing assemblies disposed at respective ends of said inner hollow cylinder (3) and each comprising :

two bells (21, 38) affixed to the two ends of the said inner hollow cylinder and comprising an axially extending wall and spaced radially outwardly from said inner hollow cylinder (3) to form a space therebetween,

supporting ring (28, 42) disposed in said space and arranged coaxially relative to said inner hollow cylinder (3), said supporting ring being operatively connected in the circumferential direction to said outer pipe (1) for rotation therewith and rests against the inner wall of the said bells;

anti-friction bearing means (4, 5) disposed within said space and positioned radially outside of said supporting ring, said bearing means, comprising inner (22b) and outer (22a) bearing rings arranged co-axially with respect to said pipe (1), said outer bearing ring being mounted to an external ring (21b) of the said bell (21), and said inner bearing ring (22b) being mounted on said supporting ring (28) for rotation therewith;

a portion of said space defining an annulus (35) extending circumferentially around said inner hollow cylinder and communicating with said bearing means, and sealing means (30, 32; 39, 41) comprising axially opposing sealing faces engaging one another to form a seal extending circumferentially around said inner hollow cylinder at a location disposed radially between said inner hollow cylinder and said annulus,

a lower portion of said annulus (35) formed in the bells (21, 38) in the region of the seal (30, 32; 39, 41) and exhibits a downwardly directed outlet opening (36, 45) for discharging particles that have leaked past said sealing faces to prevent such particles from fouling said bearing means.

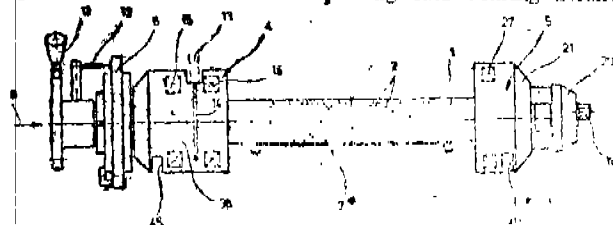


Fig. 1

(Compl. Specn. 12 pages;

Drngs. 2 sheets)

Cl. : 131 B 4

180716

Int. Cl. : E 21 B 10/64, 10/40, 7/20.

DRILLING APPARATUS.

Applicant & Inventors : 1. JORMA JARVELA OF PAAVALINKUJA 3C 15, FIN 33300 TAMPERE; and 2. VESA

JARVELA, OF FRUISILANTIE 34 A, FIN 02240 ESPOO, FINLAND.

Application No. 740/Cal/1993 filed on 1st December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A drilling apparatus adapted to be fed into a hole to be drilled and extendable in a longitudinal direction(s), whereby said drilling apparatus comprises a casing part (2) and a drilling unit (3), that is essentially inside said casing part (2) at least during drilling, said drilling unit (3) comprising a drilling head (1) which consists of :—

a first drilling means (4) for drilling a centre hole (R),

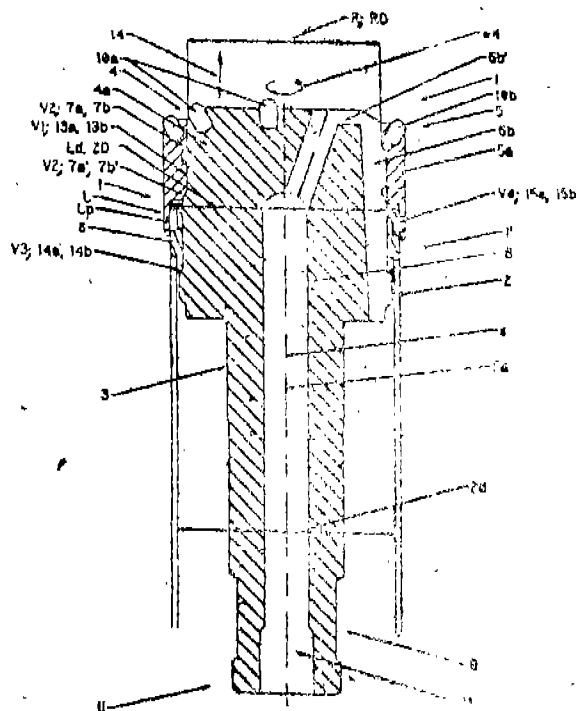
a second drilling means (5) for reaming the centre hole (R) for the casing part (2), said first drilling means (4) being connected to said second drilling means (5) at the drilling head (1) and being detachable from said second drilling means (5) for removal from the hole while said second drilling means (5) is left in the hole;

a counterpart assembly for transmitting rotational (W4) and impact (14) movement of said first drilling means (4) to said second drilling means (5);

a coupling assembly (11) for connecting said second drilling means (5) with a head (1') of the casing part (2) such that said second drilling means (5) freely rotates centrically around a longitudinal axis (s) with respect to said casing head (1');

a flushing means (6) for removal of drilling waste, said flushing means comprising first organs (6a) extending through said first drilling means (4) to a drilling point and second organs (6b) through which the drilling waste is removed inside the casing part (2), characterised in that :

a first assembly (VI) of the counterpart assembly located between the outer surface of the first frame part (4a) and the inner surface of the second frame part (5a) locks the said first and second frame parts (4a, 5a) by means of bayonet principle of a projection-recess assembly (13a, 13b) to rotate (w4) said first and second frame parts (4a, 5a) together and move said first and second frame parts (4a, 5a) together in both longitudinal directions; and wherein; said second organ (6b) of the flushing means (6) for scavenging of the drilling waste are arranged to lead the waste essentially through the drilling surface of the first drilling means (4) and/or the second drilling means (5).



(Compl. Specn. : 17 pages;

Drngs. : 3 sheets)

Ind Cl. : 206 H2

180717

Int. Cl.⁴ : G 06 F 5/06, 13/10.**WINDOWING CONTROL DEVICE FOR VIDEO DISPLAY.**

Applicant : MARQUETTE ELECTRONICS, INC., OF 8200 WEST TOWER DRIVE MILWAUKEE, WISCONSIN 53223 UNITED STATES OF AMERICA.

Inventor : JAMES CARLTON BROWN.

Application No. 746/Cal/1993 filed on 2nd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

11 Claims

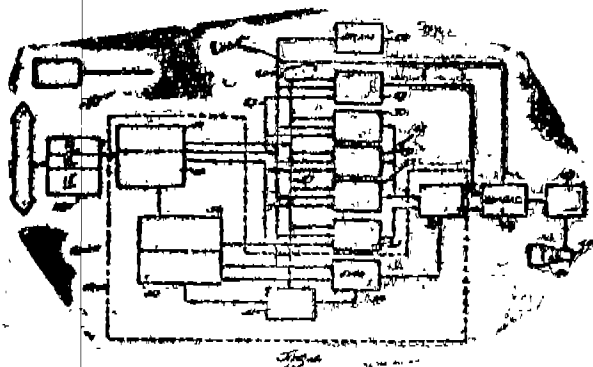
A windowing control device for a video display (46) having raster means and raster scanning means, said windowing control device comprising :

programmed control means (17, 36), such as herein described.

first memory means (30, 31, 32), such as herein described, for storing data to be displayed and the margins of windows defined on the raster means, and

second memory means (39), such as herein described, for storing the addresses of the data and the window margins to be displayed,

the arrangement being such that said control means is programmed such as to load data to be displayed into said first memory means and to initiate the transfer of data from said first memory means to said display and to write new address data into said second memory means for each complete raster scan by said raster scanning means, whereby the position of the data within said at least one window has the appearance of horizontal or vertical displacement and the address stored in the second memory means are caused to be changed for each raster scan so that the windows and/or the data displayed appear to move on the screen.



Compl. Specn. : 29 Pages;

Drgns : 4 sheets.

Cl. : 128 G

180718

Int. Cl.⁴ : A 61 J 3/00**APPARATUS FOR COATING TABLETS.**

Applicant : MCNELL-PPC, INC., OF VAN LIEW AVENUE, MILLTOWN, NJ 08850 UNITED STATES OF AMERICA.

Inventor : NORBERT IMRE BERTA.

Application No. 15/Cal/1994 filed on 10th January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

9 Claims

An apparatus for coating a tablet (10) comprising :

(a) a plurality of plate means (50) for receiving and retaining a plurality of tablets (10),

(b) means (906) for incrementally advancing said plurality of plate means (50) on a conveyor means (90);

(c) dipping means for lowering and raising at least one of said plurality of plate means (50) into a first coating tank (120) for coating at least a portion of the tablets (10) retained on said at least one plate means (50);

(d) rotating means for rotating at least one of said plurality of plate means containing said coated tablets and

(e) dryer means (130, 300) for drying the coating on said coated tablets.

characterized in that first elevator means (302) is provided for transferring one or more of said plurality of plate means (50) from said conveyor means (90) to the dryer means (300);

said dryer means (300) comprising means (310) for transporting said one or more plate means through a first section (306) of said dryer means (300) and for transporting said one or more plate means (50) through a second section (308) of said dryer means; and

second elevator means (304) for transferring one or more of said plates (50) from said dryer means (300) to said conveyor means (90).

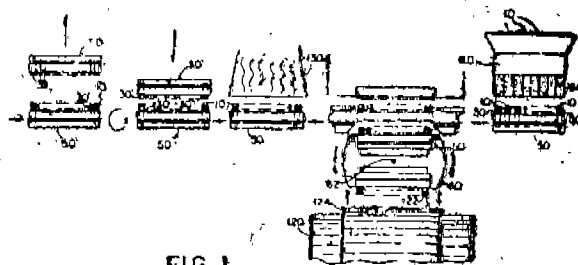


FIG. 1

(Compl. Specn. 39 Pages;

Drgns : 19 Sheets)

Cl. : 72 B

180719

Int. Cl.⁴ : C 06 B 31/00, 31/28, 47/00**PREPARATION OF A WATER GEL SLURRY EXPLOSIVE COMPOSITION.**

Applicant : IBP CO., LTD. OF 8, NETAJI SUBHAS ROAD, GILLANDER HOUSE, CALCUTTA-700 001, INDIA.

Inventors :

(1) KUNDAN LAL PATEL.

(2) GANGA PRASAD

(3) THOMAS PUTHUVALMATTATHIL GEORGE.

Application No. 0122/Cal/1994 filed on 28th February, 1994.

(Complete Specification left after provisional 29.05.1995).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

7 Claims

A process for the preparation of a water gel slurry explosive composition comprising the process step of (a) adding 2.8-7.5 wt.% Guar-gum sugar dispersion to 75-87 wt.% oxidiser solution to get gummed oxidizer solution, (b) adding 7.5-17 wt.% premixed solid fuels, in the presence of 0.1-2.0 % gassing and cross-linking agents.

(Compl. Specn. 18 Pages;

Drgns. 6 Sheets)

Cl. : 39 P E

180720

Int. Cl. : C 01 D 1/20

PROCESS OF PREPARING CESIUM SALTS FROM CESIUM-ALUMINUM-ALUM.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, W-60323 FRANKFURT AM MAIN, GERMANY.

Inventors :

- (1) DR. HARTMUT HOFMANN
- (2) KLAUS KOBELE
- (3) DR. HORST PRINZ
- (4) DR. BERND PHILLIPP
- (5) DR. GERD HARMS
- (6) ALEXANDER SCHIEDT
- (7) ULRIKE HECKTOR.

Application No. 251/Cal/1994 filed on 11th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

2 Claims

A process of preparing cesium salts such as formate, acetate, citrate, chloride and bromide from cesium-aluminum-alum, characterized in that cesium-aluminum-alum is reacted in a single vessel in the presence of water with calcium hydroxide in an amount which is equimolar to the amount of aluminum and with a readily water-soluble calcium salt in an amount which is equimolar to the amount of cesium and the precipitated aluminum hydroxide and the precipitated calcium sulfate are separated by filtration or centrifugation, reaction is carried out at temperatures in the range from 80 to 120°C in a suspension having at the beginning of the reaction a density corresponding to 100 to 500 g insoluble solids per liter water.

(Compl. Specn. 6 Pages;

Drgns. Nil)

Ind. Cl. : 201D.

180721

Int. Cl. : C02F 1/66

A PROCESS FOR NEUTRALIZATION OF ACID COAL MINE WATER BY SPENT FLUIDIZED BED BOILER ASH.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860) HEREBY DECLARE.

Inventors : BIMANRANJAN MAZUMDER AND MADAN MOHAN BORA.

Application for Patent No. 759/Del/90 filed on 27-7-90.

Complete left after provisional filed on 26-1-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the production of neutralised coal mine water by fluidized bed boiler ash to make it potable which comprised adding boiler ash in the range of 0.1 to 1.0 gm to acid mine water to be neutralised in the range of 100 to 1000 ml under stirring and keeping the resultant mixture for a period ranging from 10 min, to 24 hrs to get neutralised coal mine water.

(Provisional Specification : 12 Pages; Drawing 7 Sheet)
(Complete Specification : 13 Pages; Drawing 7 Sheet)

Int. Cl. : C07C 31/98

180722

Ind. Cl. : 32 (F (3-c) M)

AN IMPROVED PROCESS FOR THE PREPARATION OF ALCOHOL.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH R. F. IN. AN INDIAN REGISTERED BODY INCORPORATED U. THE RSC ACT.

Inventors :

- (1) JAMUNA RAJAGOPALAN,
- (2) THOLATH EMILIA ABRHAM,
- (3) SONTI VENKATARAMAKRISHNA,
- (4) ALATHUR KAMODARAN KAMODARAN.

Application for Patent No. 762/Del/90 filed on 27-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of alcohol which comprises mixing of a solution containing 20 to 50% by wt of fermentable sugars with equal volume of an immobilized yeast particles prepared by the process described herein and allow to ferment the mixture under constant stirring for a period of 10 to 30 hours and separating the alcohol produced by distillation.

(Complete Specification : 8 Pages; Drawing Sheets Nil)

Ind. Cl. : 71 G.

180723

Int. Cl. : E21 27/00

A PROCESS FOR THE PREPARATION OF NON-EXPLOSIVE TYPE EXPANDING AGENT FOR BREACHING OF ROCKS AND BOULDERS.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS M-10, SOUTH EXTENSION II, RING ROAD, NEW DELHI-110049 A SOCIETY, REGD. UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors :

- (1) SURENDRA NATH GHOSE,
- (2) LATA MOHAN,
- (3) ARVIND DIWAKAR AGNIHOTRI.

Application for Patent No. 948/Del/90 filed on 25-9-1990.

(Complete left after Provisional filed on 26-12-1991).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of non-explosive type expanding agent for breaching rocks and boulders comprising in the steps of calcination of the ground lime stone at a temperature of 1250 to 1300°C so as to obtain calcium oxide, characterized in that 50% by weight of said calcium oxide being mixed with the additives such as 1-5% by wt. of sodium carbonate/sodium gluconate, potassium nitrate 0-1% by wt. of sucrose, 1-2% by wt. of tartaric and boric acid 0.5-2% by wt. of citric acid and potassium carbonate 14-22% by wt. of adding water to the mixture of additives and calcium oxide so as to get the non explosive type expanding agent slurry.

(Provisional Specification : 4 Pages; Drawing Sheet Nil)
(Complete Specification : 6 Pages; Drawing Sheet Nil)

Ind. Cl. : 23 H 180724

Int. Cl.⁴ : B 31 D, 3/04**A PACKAGE COMPRISING AN OUTER PAPER BAG AND PACKED FLEXIBLE ARTICLES.**

Applicant : THE PROCTER & GAMBLE COMPANY, CORPORATION ORGANIZED UNDER THE LAWS OF THE STATES OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI STATES OF OHIO, UNITED STATES OF AMERICA.

Inventor : ROGER EMIL CORNELISSEN, AGUSTIN TOMOS BLANCO.

Application for Patent No. : 1013/Del/90 filed on date 15-10-90.

Convention date 23-10-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A Package (10, 110) comprising an outer paper bag and packed flexible articles wherein said flexible (28) articles are compressed and the said outside paper bag is so dimensioned as to keep said articles in compressed form, said package comprising an internal reinforcement sheet of biodegradable and/or recyclable material (24) covering an opening (17, 117) device on the inside surface facing the packed (28) articles and extending at least over the entire area of the said opening device and beyond the perforations (25, 29) and the horizontal (27) slit defining the area of said opening device said package optionally comprising a further protective sheet of biodegradable and/or recyclable (35) material provided on the outside of side (12a, 112a) panel and extending over the entire area of the said opening device and covering said vertical (25a, 25b) perforations and horizontal perforations defining the area of said opening device.

(Complete Specification : 16 Pages; Drawing : 6 Sheets)

Ind. Cl. : 32Fad 180725

Int. Cl.⁴ : C07D 223/10**AN IMPROVED PROCESS FOR THE MANUFACTURE OF E-CAPROLACTAM FROM CYCLOHEXANE USING TS-1 CATALYST.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : APPADURAI THANGARAJ, SUBRAMANIAN SIVASANKER AND PAUL RATNASAMY.

Application for Patent No. : 1098/Del/90 filed on 7-11-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the manufacture of E caprolactam from cyclohexane using TS-1 catalyst which comprises (1) mixing cyclohexane with an aqueous solution of hydrogen peroxide, adding a solid titano-silicate catalyst designated as TS-1 having silicallite type 1 structure molecular formula $x\text{TiO}_2 \cdot (1-x)\text{SiO}_2$, where x varies from 0.0005 to 0.2 and characterized by the x-ray in Table 1 and 2 respectively as herein described to the mixture, heating the mixture and the catalyst in a temperature between 80 and 100°C and adding aqueous solution of ammonium hydroxide and hydrogen peroxide into the reaction mixture, cooling the reaction

mixture (2) separating the oxime from the unreacted cyclohexane by conventional procedure and (3) passing a solution of the oxime in polar organic solvent over the above said titanosilicate catalyst at a temperature between 200 & 400°C and separating the E-Caprolactam formed by conventional methods.

(Complete Specification : 18 Pages; Drawing Sheet : Nil)

Ind. Cl. : 32F3D

180726

Int. Cl.⁴ : C07D 223/10**AN IMPROVED PROCESS FOR THE MANUFACTURE OF E-CAPROLACTAM FROM CYCLOHEXANE USING TS-2 CATALYST.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : JALESUDHAKAR REDDY, SUBRAMANIAN SIVASANKER, PAUL RATNASAMY.

Application for Patent No. : 1099/Del/90 filed on 7-11-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the manufacture of E-caprolactam from cyclohexane using TS-2 catalyst which comprises the steps of (1) reacting in a first reaction zone cyclohexane with an aqueous solution of hydrogen peroxide in the presence of a titanosilicate, designated as TS-2 having a formula $X\text{TiO}_2 \cdot (1-X)\text{SiO}_2$ where X varies from 0.002 to 0.2 and is characterized by the X-ray diffraction pattern and infrared spectral data as shown in tables 1 and 2 respectively as here in described at a temperature in the range of 50—150°C to convert it into a mixture of cyclohexanone and cyclohexanol, (2) reacting the effluents from the first reaction zone with an aqueous solution of ammonium hydroxide or ammonia with or without injection of H_2O_2 in a second reaction zone in the presence of the said catalyst TS-2 at a temperature in the range of 40—100°C, (3) separating the cyclohexanone oxime from the effluents from the second reaction zone by known methods, (4) converting the separated cyclohexanone oxime into caprolactam in a third reaction zone by reacting the former in presence of an inert gas in the presence of the said titanosilicate (TS-2) catalyst at temperature in the range of 250 to 450°C, weight hourly space velocity (WHSV) in the range 1 to 15 and pressures in the range of 0.5 to 2.0 atmosphere and (5) separating the E-caprolactam from the effluents from the third reaction zone by conventional methods.

(Complete Specification : 18 Pages; Drawing Sheet : Nil)

Ind. Cl. : 51 D

180727

Int. Cl.⁴ : B 26 B 21/00**SAFETY RAZOR.**

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : ELIZABETH CASTLE LEONARD, MARIE SHURTLEFF.

Application for Patent No. : 1111/Del/90 filed on date 8-11-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A safety razor comprising :

a body member having a through aperture therein and support surface structure around said aperture;

a thin flexible metal foil member with a plurality of apertures therein, the edge of each said aperture being sharpened to define a shaving edge, said foil member being disposed on said support surface structure of said body member to overlie said aperture in supporting relation, and

protective sheet structure that has a skin-engaging surface, an outer perimeter greater than the outer perimeter of said metal foil blade member and an inner perimeter smaller than the outer perimeter of said metal foil blade member, said protective sheet structure being secured in overlying relation on both said support surface and said foil member so that the apertures of said foil member are exposed in shaving relation immediately adjacent and surrounded by said skin-engaging surface of said protective sheet structure, and said foil member remains firmly secured relative to said support surface structure as the razor is moved across the skin in shaving action.

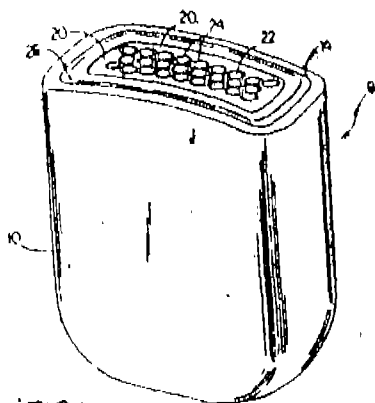


FIG. 1

(Complete Specification : 10 Pages; Drawing : 2 Sheets)

Ind. Cl. : 32 F (3d)

180728

Int. Cl.⁴ : C 07 C, 27/12

AN INTEGRATED MULTI STEP PROCESS FOR THE CONVERSION OF METHANE TO ETHYLENE OXIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VASANT RAMCHANDRA CHOUDHARY, SUBHASH DWARKANATH SANS ARE, AMARJEET MUNSHI RAM RAJPUT.

Application for Patent No. : 1267/Del/90 filed on date 18-12-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

20 Claims

An integrated multistep process for conversion of methane to ethylene oxide, which comprises (i) passing continuously methane and oxygen (or air) with or without steam over a conventional based solid catalyst suitable for oxidative conversion of methane to C₂ hydrocarbons in a fixed bed

reactor at a pressure in the range of 1 - 50 atm., temperature in the range of 500 - 1000 °C, CH₄/O₂ mole ratio in the

feed in the range of 1.5 - 100, and gas hourly space velocity in the range of 500 - 5,00,000 h⁻¹ and separating

water vapour from the product stream by condensation; (ii) removing C₂ hydrocarbons present in the product stream of

step (i) by conventional adsorption separation / purification methods, (iii) passing continuously the product stream obtained from step (ii) along with O₂ (or air) over a con-

ventional solid catalyst useful for selectively oxidising CO to CO₂ in the presence of ethylene and other hydrocarbons in

a fixed bed reactor at a pressure in the range of 1 - 50 atm., temperature in the range of 100 - 600 °C, gas hourly space velocity in the range of 100 - 1000 h⁻¹ and CO/O₂ mole

ratio in the range of 0.5 - 2.0, and (iv) passing continuously the product stream of step (iii) along with oxygen

(or air) and trace quantities of organic chloro compounds such as ethylene dichloride, ethyl chloride, vinyl chloride

over a conventional silver catalyst useful for selective oxidation of ethylene to ethylene oxide, in a number of

fixed bed reactors connected in series with an arrangement for removing ethylene oxide formed from the effluents of

each of the reactors by known methods, at a pressure in the range of 1 - 50 atm., temperature in the range of 100

500 °C, gas hourly space velocity in the range of 100 - 5000 h⁻¹, ethylene/O₂ mole ratio in the range of 0.5 - 3.0 and

concentration of organic chloro compounds in the feed in the range of 0 - 10 ppm, separating ethylene oxide and, if

required, also CO₂ from the product stream by conventional methods, and, as required, recycling the unconverted O₂ and

C₂ hydrocarbons and oxygen from the product stream to the step (iii).

(Complete Specification : 43 Pages; Drawing Sheets : Nil)

Ind. Cl. : 140 A₂

180729

Int. Cl.⁴ : C 10 M 129/00

A METHOD FOR THE PREPARATION OF DIOXOLANES AND THIO ANALOGS, DERIVATIVES THEREOF.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, USA, OF 22400, LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, USA.

Inventor : REED HUBER WALSH.

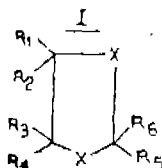
Application for Patent No. : 7/Del/91 filed on date 04-01-91.

Divisional to Patent Application No. : 1014/Del/87 filed on 27-11-87.

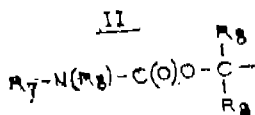
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

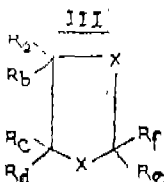
A method for preparing a dioxolanes and thio analogs, derivatives thereof represented by Formula I.



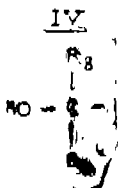
for use in functional fluid compositions wherein each X is independently oxygen or sulfur and at least one of the substituents R_1-R_6 is a group of the Formula II,



wherein R_7 is hydrocarbyl and each R_8 is independently hydrogen or hydrocarbyl, and the members of R_1-R_6 that are not groups of Formula II are each independently hydrogen or hydrocarbyl, which method comprises reacting at least one isocyanate of the formula: $R_7-N=C=O$ with a compound of the Formula III,



wherein X is as defined hereinabove, wherein at least one member of R_a-F_e is a group of the Formula IV,



wherein each R_a is independently hydrogen or hydrocarbyl, and the remaining groups are hydrogen or hydrocarbyl.

(Complete Specification : 31 Pages; Drawings : 1 Sheet)

Ind. Cl. : 127 I, 134 B

180730

Int. Cl. : F 01 N 3/00

A CATALYTIC CONVERTER FOR USE WITH THE VEHICLES.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, ANUSANDHAN VIKAS, 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110048, INDIA.

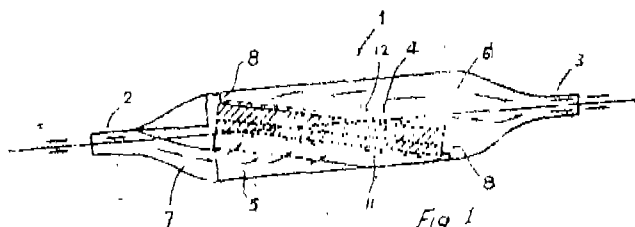
Inventors : SANGAM ANAND BENDRE.

Application for Patent No. : 15/Del/91 filed on date 10-01-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A catalytic converter for use with the vehicles comprising a housing having an inlet at one end for introduction of the exhaust gases and an outlet for discharge of the treated gases at the other end thereof, a removable cassette being disposed at an inclination within said housing such that to define an inlet and an outlet compartment within said housing, a catalyst comprising activated carbon treated with silver being provided within said cassette such that to be in a fluidized state during the flow of the exhaust gases within said cassette.



(Complete Specification : 11 Pages; Drawing : 1 Sheet)

Ind. Cl. : 170 D

180731

Int. Cl. : C 11 D 1/38

A DETERGENT COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA AND MINNESOTA MINING AND MANUFACTURING COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 3M CENTER, BUILDING 220-12W-01, ST. PAUL, STATE OF MINNESOTA 55144-1000, UNITED STATES OF AMERICA.

Inventors : DARLENE ROSE WALLEY, HOWARD JOHN BUTTERTY, ROBERT JAMES NORBURY, DIANE GROB SCHMIDT, WILLIAM ROBERT MICHAEL.

Application for Patent No. : 146/Del/91 filed on 21st February, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A detergent composition, comprising one or more detergent surfactants, and optionally, one or more builders, which composition contains coated perfume particles having an average size, when coated, of less than 350 microns, preferably not greater than 150 microns, characterised in that said coated perfume particles comprise from 5% to 50% by weight of a perfume dispersed in from 50% to 95% by weight of a nonpolymeric solid fatty alcohol or fatty ester carrier material, or mixtures thereof, said alcohol or ester having a molecular weight of from 100 to 500 and a melting point of from 37°C to 80°C, said alcohol or ester being substantially water-insoluble, said particles having a substantially water insoluble friable coating on their outer surfaces.

(Complete Specification : 26 Pages; Drawing Sheets : Nil)

Ind. Cl. : 40E, 155D, 155E

180732

Int. Cl.⁴ : A61F 13/00**A CAPILLARY CHANNEL STRUCTURES FOR USE IN ABSORBENT ARTICLES.**

Applicant : THE PROCTER & GAMBLE COMPANY, U.S.A., CINICINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

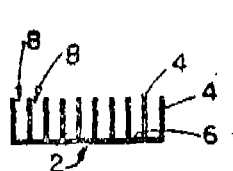
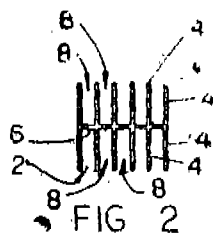
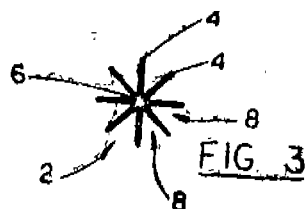
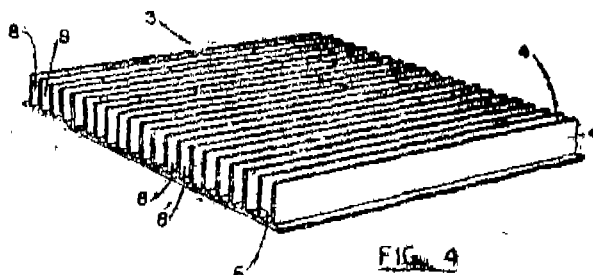
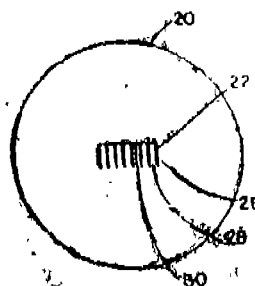
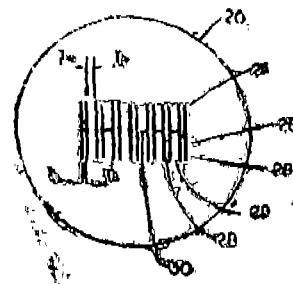
Inventors : HUGH ANSLEY THOMPSON, EDWARD HERMAN KRAUTTER.

Application for Patent No. : 149/Del/91 filed on date 22-2-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

19 Claims

A capillary channel structures for use in absorbent articles made of polymeric material of the kind herein described having one or more intrastructure capillary channels formed by a capillary channels formed by a capillary channel base and at least two capillary channel walls, each having a base end and a distal end and each extending from said base along the length of said base in the axial direction for at least 0.2 cm; said structures being characterized by having a specific capillary volume of at least 2.0 cc/g, preferably at least 2.5 cc/g, more preferably at least 4.0 cc/g, a specific Capillary Surface Area of at least 2,000 cm²/g; preferably at least 3,000 cm²/g, more preferably at least 4,000 cm²/g; a compressive strength (Dry) of at least 13,800 dynes cm², preferably at least 69,000 dynes/cm², more preferably at least 138,000 dynes cm², and capillary sorption, with distilled water, of at least 1.5 cc/g at 5.0 cm, preferably at least 4.0 cc/g at 10.0 cm.

**FIG. 1****FIG. 2****FIG. 3****FIG. 4****FIG. 5****FIG. 6**

(Complete Specification : 66 Pages; Drawing Sheets : Nil)

Ind. Cl. : 1 E

180733

Int. Cl.⁴ : C 08 B 30/04**AN IMPROVED PROCESS FOR THE PREPARATION OF CATIONIC STARCH.**

Applicant : BHART STARCH & CHEMICALS LTD., N-75, CONNAUGHT CIRCUS, NEW DELHI-110001, INDIA.

Inventor : KARANTHAPAR.

Application for Patent No. : 153/Del/91 filed on date 22-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

An improved process for the preparation of cationic starch which comprises adding water to the starch so as to prepare a slurry, adding a weak alkali as herein described to form a reaction mixture having a pH of 10-12, characterised in that a suppressant such as sodium chloride or sodium sulphate added to said reaction mixture to suppress gelatinization, adding a reaction agents herein described to said mixture so that the reaction mixture has a pH of 9 and above, maintaining said reactions at a temperature of 40-55°C for 2 to 3 hours to obtain cationic starch.

(Complete Specification : 7 Pages; Drawing Sheets : Nil)

Ind. Cl. : 102D

180734

Int. Cl. : F17D 3/12.

DEVICE FOR INJECTING CORROSION AND DEPOSIT INHIBITING AGENTS IN A WELL.

Applicant : PIERRE UNGEMACH, OF 2 RUE RAMEAU, 60300 SENLIS, FRANCE; ROLAND TURAN, OF 6 ALLEE RICHARD WAGNER, 93420 VILLEPINTE, FRANCE AND RAYMOND LUCET, OF 41 RUE DE MAROLLES, 94370 SUCY EN BRIE, FRANCE.

Inventors :

1. PIERRE UNGEMACH, FR.
2. ROLAND TURAN, FR.
3. RAYMOND LUCET, FR.

Application for Patent No. 160/Del/91 filed on date 26-2-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A device for injecting corrosion and deposit inhibiting agents in a well, from the surface, without stopping working of the well comprising :

an auxiliary injection tube (6) which extends through a well head (4) and into the well for conveying the inhibiting agents,

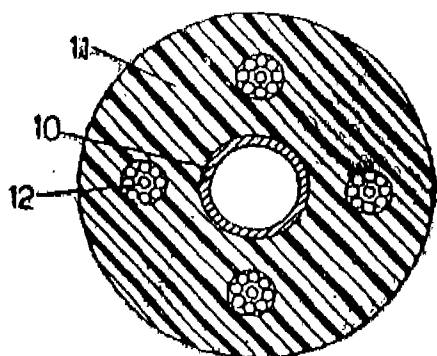
characterised by said auxiliary injection tube (6) having a lateral symmetry and comprising :

a single tubular core (10) made of metal located centrally in said injection tube (6) and having a longitudinal axis of symmetry,

at least one cylindrical encapsulation (11) symmetrically about and completely coating said tubular core, (10) said cylindrical encapsulation (11) being made of a material which is inert with respect to a fluid collected by the well that said tubular core (10) is protected from the fluid, and

at least four support cables (12) located within said cylindrical encapsulation, (11) said four support cables (12) being disposed symmetrically with respect to longitudinal axis of symmetry of said tubular core (10) and facing each other in pairs disposed along two orthogonal planes, such that said cables (12) give mechanical strength to said auxiliary injection tube (6) for lowering and raising operations associated therewith and secondary mechanical protection to said tubular core (10) in case of damage to said cylindrical encapsulation (11).

FIG. 2



(Compl. Specn. 10 pages;

Drng. 2 sheets.)

Ind. Cl. : 32E.

180735

Int. Cl.⁴ : C07H, 15/00.

A PROCESS FOR PREPARATION OF A NOVEL POLYOL USEFUL FOR THE PREPARATION OF RIGID FOAMS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventors :

1. BHARATHULA GOPAL KRISHNA MURTHY
2. MALLADI SUNDARA RAMAIAH
3. VUPPULANCHA MADHUSUDHAN
4. PODILA DATTATREYA SARMA
5. KATEPALLI NARASIMHAIAH
6. MADHUSUDAN MADHAV SHIRSALKAR.

Application for Patent No. 187/Del/91 filed on 11-03-1991.

Complete left after Provisional Specification No. 12-02-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of novel polyol useful for the preparation of rigid foams which comprises of mixing cashew nut shell liquid (CNSL) such as CNSL distillation residue polymerised CNSL, Bhilavan nut shell liquid (BNSL) in the ratio of 4:1 to 1:4 to form their blends then reacting with castor polyols obtained by reacting castor oil with polyhydroxy compounds as herein defined in the ratio of 4:1 to 1:4 at 30--120°C.

(Prov. Specn. 10 pages;

Drng. sheet Nil.)

(Compl. Specn. 23 pages;

Drngs. 2 sheets)

Ind. Cl. : 40 F

180736

Int. Cl.⁴ : 141 D.

A PLASMA REACTOR USEFUL FOR IN-FLIGHT PROCESSING OF REFRACTORY POWDERS, MINERALS AND FINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1960).

Inventors :

1. UPENDRAN SYAMAPRASAD
2. RAMACHANDRA KRISHNARAO GALGALI
3. SARMA BHATTACHARJEE
4. ANUPOJU SURYANARAYANA RAO
5. BISHNU CHARANARABINDA MOHANTY.

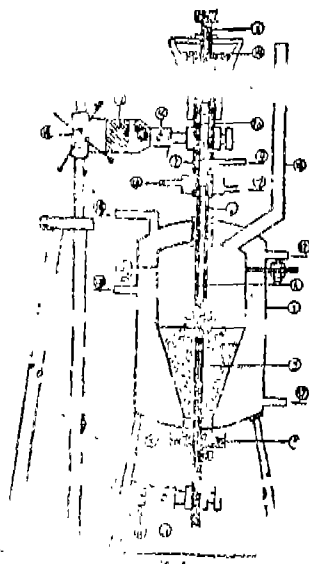
Application for Patent No. 190/Del/91 filed on date 11-03-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A thermal plasma reactor useful for inflight processing of refractory powders, minerals and ore fines which comprises a reactor vessel (1) consisting of a cylindrical double walled water cooled stainless steel chamber with a conical bottom, a feeder funnel (5) is provided at the top of the said reactor vessel (1), the feeder funnel (5) having a long stem (7), the feeder funnel also being provided with an external screw knob (6) for controlling the flow rate of feed powders, the feeder funnel stem (7) having a vertical axial hole (7A), its bottom being cooled by water the feeder stem having a lateral hole (8) at an angle of 45° to the vertical axis of the stem for entry of the plasmagen gas, two graphite electrodes (2 & 3) are provided vertically inside the inner chamber (1A), the upper electrode (2) being the cathode and the lower electrode (3) is the anode the said cathode has the larger diameter than the said anode and being provided with a vertical axial hole (4) for introducing both the plasmagen gas and the powder into the reactor, the cathode (2) being coupled to a rack and pinion mechanism (15) to enable vertical movement, both the electrodes (2&3) being isolated electrically for the body of the reactor through insulations (12), a split pan (9) being fixed to the bottom electrode

just below the opening provided at the bottom of the reactor vessel to collect the plasma processed product.



(Compl. Specn. 13 pages;

Drng. 1 sheet.)

Ind. Cl. : 40F

180737

Int. Cl. : B01D, 9/02.

DEVICE FOR PURIFYING ANY CRYSTALLIZABLE PRODUCT.

Applicant : B.E.F.S. TECHNOLOGIES S.A., A FRENCH CO., OF 7, RUE GAY LUSSAC, 68100 MULHOUSE, FRANCE.

Inventors :

1. CHARLES LASSIAZ
2. GILBERT SCHWARTZ
3. PIERRE CUNIN.

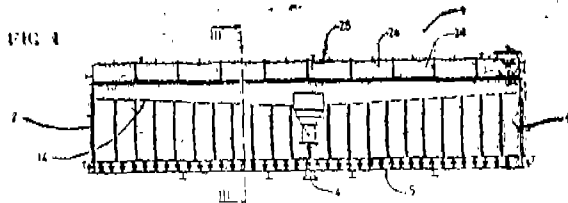
Application for Patent No. 199/Del/91 filed on date 13-3-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

Device for purifying a crystallizable organic mineral or other crystallizable product consisting of a refiner (2) comprising a container having a heat transfer and diffusing circuit (6) consisting of transfer elements (7) such as nests of tubes through which passes a heat-carrying fluid, characterized in that said heat transfer and diffusing circuit (6) is of modular construction, each said module (9, 10, 11) comprising a plurality of transfer elements (7) removably connectable to heat-carrying fluid feeding means (12) and evacuating means (13).

FIG. 1



(Compl. Specn 10 pages;

Drngs. 2 sheets.)

Ind. Cl. : 51 D

180738

Int. Cl. : B 26 B. 21/56.

A PROCESS FOR PRODUCING A RAZOR BLADE AND A RAZOR BLADE PRODUCED THEREBY.

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : STEVE SYNG-HI. HAHN.

Application for Patent No. 200/Del/91 filed on date 13-3-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

13 Claims

A process for producing a razor blade comprising the steps of :

Providing in any known manner a ceramic substrate, mechanically abrading said ceramic substrate to form a sharpened edge thereon with facets that have an included angle of less than thirty degrees and a tip radius of less than twelve hundred angstroms; and

sputter-sharpening said edge to form a cutting edge defined by supplemental facets that are less than one micrometer in width which have an included angle greater than forty degrees.

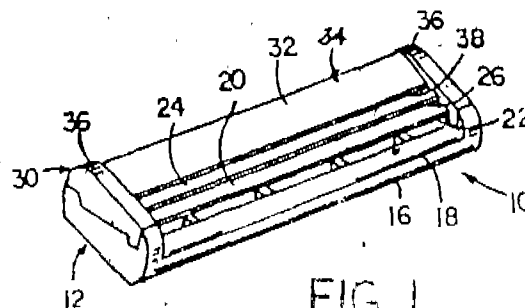


FIG. 1

(Compl. Specn. 13 pages;

Drng. 1 sheet)

Ind. Cl. : 32E

180739

Int. Cl. : C 08 L, 53/00.

A HOT MELT ADHESIVE COMPOSITION HAVING A LOW VISCOSITY AT LOW APPLICATION TEMPERATURE.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS CO., OF CAREL VAN BYLANDIAAN 30, 2596 HR, THE HAGUE, THE NETHERLAND.

Inventor : STEVEN SOOHYUN CHEN.

Application for Patent No. 224/Del/91 filed on date 20-3-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A hot melt adhesive composition having a low viscosity at low application temperature and comprising predominantly a linear styrene-isoprene-styrene block copolymer composition with a polystyrene block molecular weight ranges of

from 14,000 to 16,000; a polystyrene content ranges of from 25% to 35% by weight of the block copolymer composition; and a molecular weight of from 100,000 to 145,000 in an amount of from 20 to 400 parts by weight per hundred parts by weight of block copolymer of an adhesion promoting resin.

(Compl. Specn. 17 pages;

Drng. 1 sheet.)

Ind. Cl. : 32E

180740

Int. Cl.⁴ : C08L 53/00.

A HOT MELT ADHESIVE COMPOSITION HAVING A LOW VISCOSITY AT LOW APPLICATION TEMPERATURES.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTILAN 30, 2596 HR THE HAGUE, THE NETHERLANDS, A CO. ORGANIZED UNDER THE LAWS OF THE NETHERLANDS, A RESEARCH COMPANY.

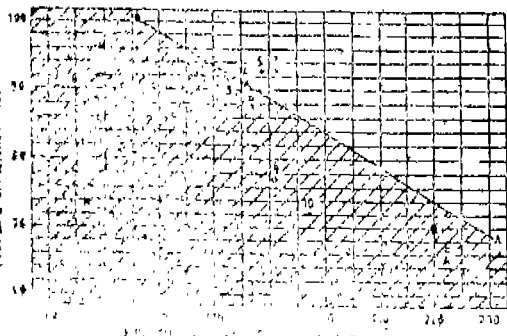
Inventor : STEVEN SOOHYUN CHIN.

Application for Patent No. 225/Del/91 filed on 20-03-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent's Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A hot melt adhesive composition having a low viscosity at low application temperatures comprising a predominantly branched styrene-isoprene block copolymer composition comprised of linear polymeric blocks wherein the polystyrene block molecular weight is greater than 12,000; the polystyrene content is 35% by weight or less relative to the total weight of the block polymer composition; and the point representing the total molecular weight of the branched block copolymer (Ms: styrene equivalent molecular weight) in relation to the coupling efficiency (CE) falls to the left of the line A-A'; in a figure plotting the Ms along the horizontal axis and the CE along the vertical axis, wherein A is the point determined by a CE of 100% and an Ms of 167,500 and A' is the point determined by a CE of 69% and an Ms of 230,000 and in an amount of from 20 to 400 parts by weight per hundred parts by weight of block copolymer composition of an adhesion promoting resin of the kind such as described hereinbefore.



(Compl. Specn. 20 pages;

Drng. 1 sheet.)

Ind. Cl. : 140 A2

180741

Int. Cl.⁴ : C 10 M 133/04.

A LUBRICANT COMPOSITION FOR REFRIGERATION SYSTEM.

Applicant : THE LUBRIZOL CORPORATION 29 400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA.

Inventor : SCOTT TED JOLLEY.

3-497G1/97

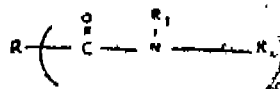
Application for Patent No. 22/Del/91 filed on 14-01-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent's Rules, 1972), Patent Office Branch, New Delhi-110 005.

13 Claims

A lubricant composition for refrigeration systems comprising :

- more than 50% of the composition a fluorine-containing hydrocarbon containing one or two carbon atoms; and
- balance being a soluble tertiary amide represented by the formula I



wherein a is one or two, provided that when a is one, R is a hydrocarbyl group or a hydrocarbyl polyoxyalkylene group, and when a is two, R is a hydrocarbylene group; each R₁ is independently a hydrocarbyl group, a hydrocarbyl terminated polyoxyalkylene group or taken together from a pyrrolidyl group or a radical of formula .

provided that in formula I when a is one, R has one carbon atom and R₁ is hydrocarbyl group, then R₁ has at least eight carbon atoms; each R₂ is independently hydrogen or an alkyl group having from 1 to 8 carbon atoms;

b is one or two;

X is oxygen or N-R₄;

R₃ is independently a hydrocarbyl group having 1 to 18 carbon atoms or -C(O)R₄,

R₄ is a hydrocarbyl group or a hydrocarbyl-polyoxyalkylene alkyl group.

(Compl. Specn. 27 pages;

Drng. sheet Nil.)

Ind. Cl. : 128 G (XIX 2)

180742

Int. Cl.⁴ : A61M 11/00.

A HUMIDIFIER.

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/F-2, MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH.

Inventor : SAROJ CHOORAMANI GOPAL, INDIAN.

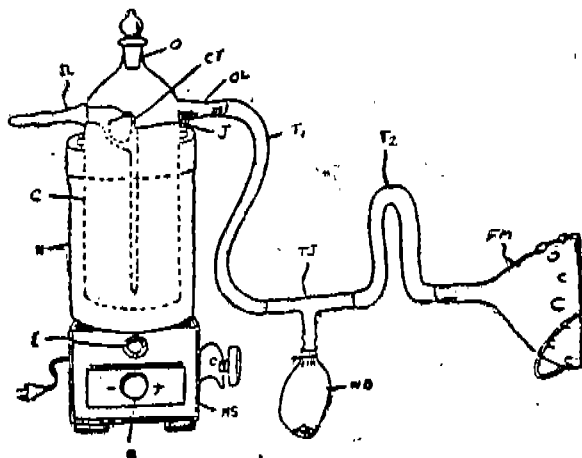
Application for Patent No. 026/Del/91 filed on date 15-01-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent's Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A humidifier comprising a metallic housing (H) being mounted on the heating means (HS) (H) a container with an outlet to supply humid air to the patient disposed within said housing (H) being provided for containing water therein, characterised in that jet means (CT) disposed into said

container (C) provided in flow communication with an inlet (II) provided in said container (C) for introduction of compressed air to said jet means so as to produce humidified air.



(Compl. Specn. 7 pages;

Drng. sheet 1)

Ind. Cl. : 161 C (XV II) (3)

180743

Int. Cl.³ : E01 C 19/12.

A MIXER FOR LAYING OF A SLURRY SEAL ONTO A ROAD SURFACE.

Applicant : DHARAM PAL VASJOST, PRITAM RAJ-KHOWA, VIPUL CHATURVEDI AND MANISH GARG, ALL PARTNERS OF R. V. ENGINEERS & FABRICATORS A REGISTERED PARTNERSHIP FIRM C-223, ANAND VIHAR, DELHI-110092, INDIA, ALL INDIAN NATIONALS.

Inventors :

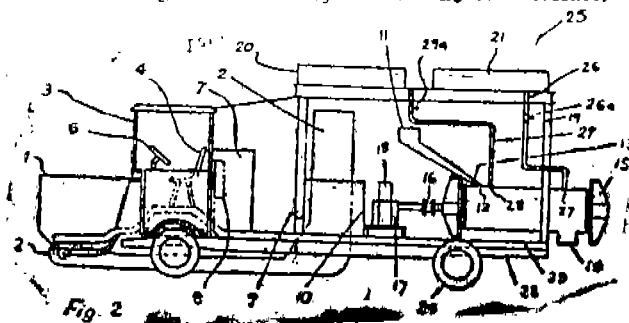
1. PRITAM RAJ-KHOWA
2. VIPUL CHATURVEDI.

Application for Patent No. 27/Del/91 filed on date 15-01-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

A mixture for laying of a slurry seal onto a road surface comprising a base frame (23) being mounted on the chassis (22) of the vehicle (25) for supporting a main hopper (1) thereon at the forward end for receiving the aggregates and stone dust, a conveyor (2) being provided below the chassis (22) of said vehicle (25) for conveying the aggregates from said hopper (1) to a mixer (15) through the first inlet, (12) said mixer mounted at the rear end of said base frame (23) being provided for preparing the slurry mix, a water tank (20) supported on the supports (19) being provided to spray water into said mixer (15) through a second inlet, (28) an emulsion tank (21) supported on said supports (19) being provided to spray emulsion into said mixer, (15) and an outlet (14) being provided at the rear end of said mixer for the discharge of said slurry mix on the road surface.



(Compl. Specn. 8 pages;

Drng. sheet 1)

Ind. Cl. : 195 E Valves and Cocks XXIX (3), 180744
41 Chimneys & Flue XXVI (2) X.

Int. Cl.³ : F 16K, 1/16;
E 04F, 17/00.

GAS FLOW DIVERTER FOR PIPE DUCTS.

Applicant : PKS-ENGINEERING GMBH & CO. KG, KIRCHSTRASSE 9, 4720 BECKUM 2, FEDERAL REPUBLIC OF GERMANY.

Inventor : HANSJOACHIM PENATUS.

Application for Patent No. 33/Del/91 filed on date 16-01-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

A gas flow diverter for pipe ducts through which hot gases flow, containing :

a housing in which the interior through which hot gas flows is provided with a gas inlet opening and two gas outlet openings,

a valve blade is pivotably mounted in said housing and provided with a supporting lattice frame with cavities said valve blade in each of its two end positions closing on gas outlet opening and clearing the other, said valve blade being provided with two heat insulation layers covering the two broad sides of the supporting lattice frame;

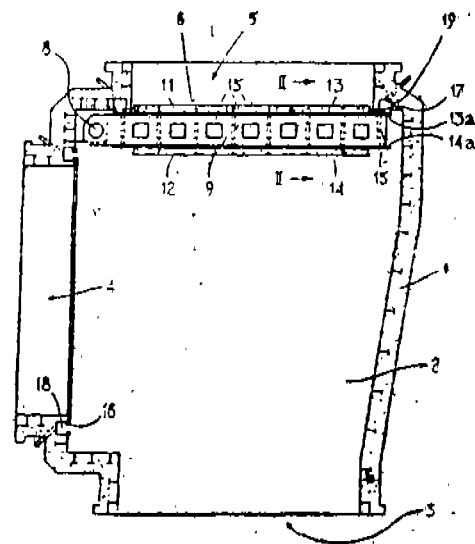
reinforcing struts being provided between the four outer walls which form the narrow sides of the supporting lattice frame characterises in that,

the outer walls forming the narrow sides of the supporting lattice frame being provided with openings; by means of which in those end positions of the valve blade at least some cavities of the supporting lattice frame are connected to the interior of the housing of the gas flow diverted through which hot gas flows,

wherein an intermediate plate which is preferably made from sheet steel, being provided between the supporting lattice frame and each of said heat insulation layers;

said outer walls and said reinforcing struts of the supporting lattice frame being preferably connected to the two intermediate plates in the outer region of the supporting lattice frame by clamp connections to enable a limited, particularly thermal relative movement between the supporting lattice frame and the intermediate plates.

FIG. 1



(Compl. Specn. 13 pages;

Drngs. 4 sheets)

Ind. Cl. : 66B

180745

Int. Cl. : H01J 17/28.

A GAS COOLED CATHODE FOR A DIRECT CURRENT ARC TORCH.

Applicant : THE UNIVERSITY OF SYDNEY, OF PAR-RAMATTA ROAD, SYDNEY, NEW SOUTH WALES 2006, AUSTRALIA AND THE ELECTRICITY COMMISSION OF NEW SOUTH WALES, OF HYDE PARK TOWER, PARK AND ELIZABETH STREETS, SYDNEY, NEW SOUTH WALES 2000, AUSTRALIA.

Inventor : CRAIG FOREMAN.

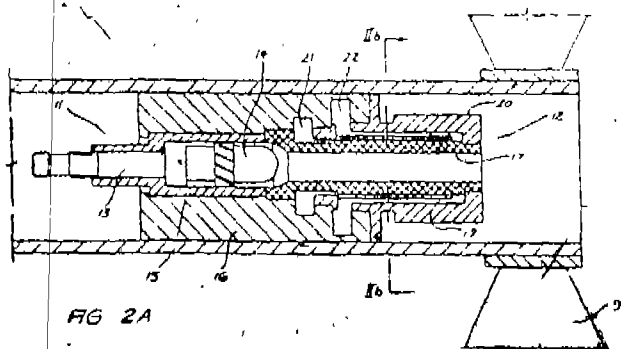
Application for Patent No. 34/Del/91 filed on date 16-01-1991.

Convention data : 17-1-90/TJ 8227/AU.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A gas cooled cathode for a direct current arc torch, said cathode (11) having a body, (13) a tip (14) connected to one end of said body (13) and a gas passage (23) extending through said body, (13) which passes proximate said tip (14) and has exit ports (25) adjacent said tip, (14) said cathode (11) being characterised by a swirler (26) surrounding said tip (14) of said cathode (11) downstream of said ports, (25) and in that said gas passage (23) is disposed such that in use, the entire gas flow through said gas passage (23) is directed to cool said tip (14) and said body (13) and is subsequently energised into a plasma (6).



(Compl. Specn. 7 pages;

Drngs. 3 sheets.)

Ind. Cl. : 128 E, G.

180746

Int. Cl. : A 61 G 9/00.

A POSTERIOR URETHRAL VALVE ABLATOR.

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/F-2, MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH.

Inventor : SAROJ CHOORAMANI GOPAL.

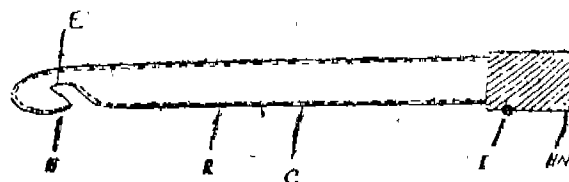
Application for Patent No. 040/Del/1991 filed on 17-1-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A posterior urethral valve ablator comprising a metallic rod having a fine hook provided at one end thereof, a sharp cutting edge being provided at the inner side of said hook, an insulated coating being provided on said rod except said cutting edge, a handle being provided at the opposite end of said rod so as to be connected with a cautery provided to supply a required electric current to said sharp cutting edge

for cutting abnormal tissue or valve, an indicating point being provided on said handle to indicate the position of said cutting edge during operation.



(Compl. Specn. 7 pages;

Drng. 1 sheet.)

Ind. Cl. : 106 [XL VIF (2)]
107G [XL VII (2)]

180747

Int. Cl. : B02M 45/00.

HOLE TYPE FUEL INJECTOR.

Applicant : STANADYNE AUTOMOTIVE CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT 06095, UNITED STATES OF AMERICA.

Inventor : WILLIAM WARD KELLY.

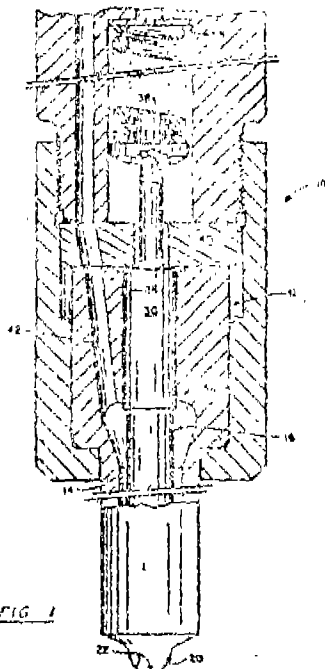
Application for Patent No. 41/Del/1991 filed on 07-03-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

Hole type fuel injector having a nozzle body (12) with an elongated valve bore, (14) annular valve seat (19) and coaxial, longitudinally spaced, upper valve guide (26) and lower outer ring (28) above said valve seat; (19) an elongated needle valve (16) in said valve bore (14) having coaxial, longitudinally spaced, upper guide (30) and lower inner ring (32) which cooperate with said upper valve guide (26) and outer ring respectively of said nozzle body (12) to provide axial movement of the needle valve (16) within said valve bore (14) between a lower closed position in engagement with said valve seat (19) and an upper fully open position having a predetermined maximum life, said needle valve (16) enclosing the lower end of said valve bore (14) and one or more spray holes (22) connected to said valve bore (14) below said valve seat (19) for injection of fuel; said nozzle body (12) providing an upper fuel chamber (34) surrounding said needle valve (16) between said valve guide (26) and outer ring (28) of said nozzle body (12) and lower fuel chamber (36) surrounding said needle valve (16) between said outer ring (28) and valve seat (19) of said nozzle body (12) closure spring means (38, 80, 82) biasing said needle valve (16) downwardly into engagement with said valve seat; (19) said upper guide (30) of said needle valve (16) having a greater diameter than both the inner ring (32) and said valve seat (19) and seat to provide two differential areas for hydraulically opening the needle valve (16) against the bias of said spring (38, 80, 82) and for supplying fuel for fuel injection through each said spring hole; (22) said needle valve (16) having its lower inner ring (32) closer to said valve seat (16) than to said upper guide (30) of said needle valve, (16) said diameter of said upper guide (30) of said needle valve, (16) of said nozzle body (12) is in the range of 3.81 to 4.57 mm (0.150 to 0.180 inch), the diameter of said lower outer ring (28) of said valve body (12) is in the range of 2.48 to 4.06 mm (0.098 to 0.160 inch), and said valve seat (19) diameter is in the range of 2 to 2.64 mm (0.079 to 0.104 inch); there being provided a predetermined metering clearance (68) between the outer ring (28) of said nozzle body (12) and said inner ring (32) of said needle valve (16) for metering fuel between said upper and lower fuel chambers (34, 36) during an initial

increment of at least 0.1 mm (0.004 inch) of upward movement of the needle valve (16) from its closed position and during a corresponding last increment of downward movement of said needle valve (16).



(Compl. Specn. 19 pages;

Drngs. 4 sheets).

Ind. Cl. : 84 B

180748

Int. Cl. : C 10 L 1/10.

A SYNERGISTIC LIQUID FUEL COMPOSITION.

Applicant : EXXON CHEMICAL PATENTS INC., A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENCES THEREUNDER, AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors :

1. WON RYUL SONG
2. ALBERT ROSSI
3. HOWARD WILLIAM TURNER
4. HOWARD CURTIS WELBORN
5. ROBERT DEAN LUNDBERG
6. ANTONIO GUTIERREZ
7. ROBERT ARTHUR KLEIST.

Application for Patent No. 54/Del/1991 filed on 21-01-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A synergistic liquid fuel composition containing a major amount of a conventional fuel such as hereinbefore described and from 0.001 to 0.5 wt.% of an ethylene alpha olefin polymer substituted with at least one of C_3 to C_{10} monounsaturated monocarboxylic acid producing moieties and C_4 to C_{10} monounsaturated dicarboxylic acid producing moieties, said polymer comprising monomer unit derived from ethylene and at least one alpha-olefin of the formula $H_2C=CHT^1$ wherein T^1 is an alkyl group of from 1 to 18 carbon atoms, and wherein said polymer has a number average molecular weight of from 300 to 20,000 and an average of at least 30% of said polymer chains contain terminal ethenylidene unsaturation and wherein said polymer has a VR value of less than 4.1.

(Compl. Specn. 98 pages;

Drng. sheet Nil.)

Ind. Cl. : 69 A

180749

Int. Cl. : HO IH 79/00

AN ARC-PUFFING CIRCUIT BREAKER.

Applicant : GEC ALSTHOM S. A. A FRENCH COMPANY OF 38 AVENUE KLEBER, 75116 PARIS, FRANCE.

Inventors : EDMOND THURIES, DENIS DUFOURNET, MICHEL PERRET.

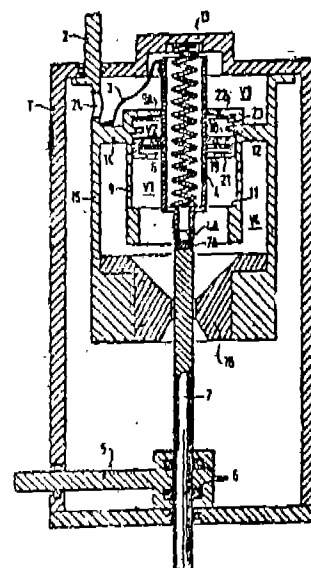
Application for Patent No. : 055/Del /91 filed on date 22-01-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

5 Claims

An arc-puffing circuit breaker comprising a gastight casing (1) filled with a dielectric gas and containing a semi-fixed first contact (4) (as herein described) electrically connected (3) to a first current terminal (2) and a moving second contact (7) which is electrically connected (6) to a second current terminal (5) and which is mechanically connected to a drive member, said semi-fixed contact (4) being fixed to a piston (8) movable in a cylinder (9), said piston (8) delimiting a first volume (v1) in the arc zone end of said cylinder (9) and a second volume (v2) in the other end thereof (9), said semi-fixed contact (4) being subject to the action of a spring (13) urging the semi-fixed contact (4) in the same direction as the moving contact (7) during a disengagement operation, and characterised by means (11, 18, 22, 23, 24, 15) in cooperation with said piston (8) and cylinder (9) for limiting speed and amplitude of motion of said piston (8) in the spring compressing direction during a disengagement operation on a short circuit current, said cooperating means 11, 18, 22, 23, 24, 15) also enabling unpolluted gas to be injected into the arcing contact zone (16), during the reengagement operation that follows said disengagement operation, said cooperating means (11, 18, 22, 23, 24, 15) comprising members for closing said second volume during a disengagement operation, said members (19, 21) enabling gas to pass from said second volume (v2) into said first volume (v1) during a reengagement operation, said means (18, 19, 21, 23) comprising firstly first holes (18) passing through said piston (8) and closable by means of first non-return valves (19) which are closed when the pressure in said first volume (v1) is greater than the pressure in said second volume (v2) and secondly second holes (22) passing through the end of said cylinder (9) and closable by second non-return valves (23) which are closed when the pressure in said second volume (v2) is greater than the pressure in the casing (1) outside cylinder (9).

FIG. 1



(Complete Specification : 11 Pages Drawing : 4 Sheets)

Ind. Cl. : 83 AI

180750

Int. Cl.⁴ : A 21 C 001/06

A DIE FOR EXTRUSION OF DOUGH INTO SHEET OF UNIFORM THICKNESS AND WIDTH.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors : BETTADAPURA SHIVARAMAIAH SRIDHAR, ANANTASWAMYRAO RAMESH.

Application for Patent No. : 61/Del/91 filed on date 23-01-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A dies for the extrusion of dough into a continuous sheet of uniform thickness and width, which comprises of two halves (1), joined together to form the die, with an internal cavity (2) having circular cross section at one end and narrow rectangular cross section at the other end, the change of the section from circular to rectangular being gradual, the end of the die with circular cross section having been provided with screw threads (3) to facilitate fixing of the die to the discharge end of a screw extruder, the die having external from of a trapezoidal prism.

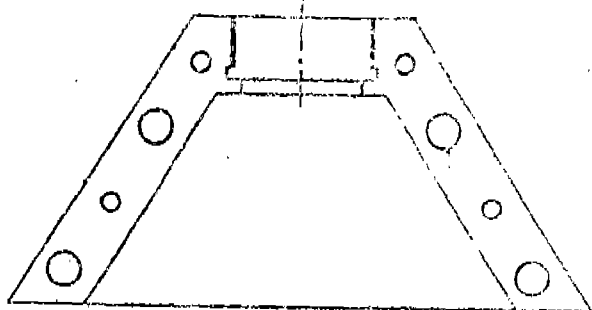


Fig 2

(Complete Specification : 10 Pages; Drawing : 3 Sheets)

Ind. Cl. : 128 F, G.

180751

Int. Cl.⁴ : A61M 27/00.

A VENTRICULO SUBARACHNOID SHUNT FOR CONGENITAL HYDROCEPHALUS.

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/F-2 MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH.

Inventors : SAROJ CHOORAMANI GOPAL.

Application for Patent No. 104/Del/91 filed on 07-02-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A ventriculo subarachnoid shunt for congenital hydrocephalus comprising a valve consisting of two thin and soft disc shaped sheets (S₁) & (S₂) joined together at the periphery thereof at a space provided between the joints, a central passage (P) being provided in one of the said sheets (S₁) for accommodating a connector, (C) a catheter (T) adapted to be inserted into the ventricle or brain cavity being connected with the other end of said connector (C) for receiving the fluid from the brain cavity.

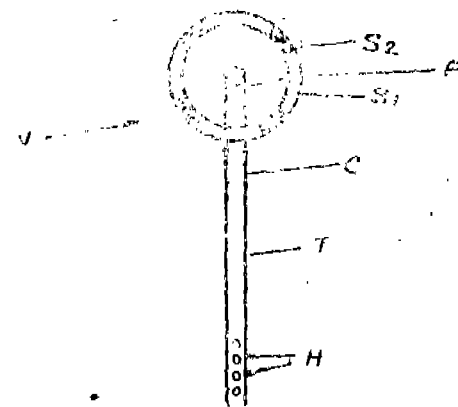


Fig 1

(Complete Specification : 7 Pages; Drawing Sheet 1)

Ind. Cl. : 189

180752

Int. Cl.⁴ : A61K, 734, A61L, 9/01

A COMPOSITION WHICH ARE USEFUL IN ARTICLES SUCH AS DIAPER, CATAMENIAL OR PENTILINER.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, USA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, 45202, USA.

Inventors :

- (1) NANCY KARAPASHA,
- (2) THERESA LOUISE JOHNSON.

Application for Patent No. 112/Del/91 filed on date 13-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A composition which are useful in articles such as diaper, catamenial or pentiliner, comprising an absorbent gelling material a water-soluble or water dispersible binder material and a water-insoluble odor-absorbing agent wherein.

- (a) at least 20% by weight of a particulate odor-absorbing agent selected from zeolite and activated carbon odor-absorbing agents, and mixtures thereof;
- (b) at least 40% by weight of an absorbent gelling material of the kind herein described; and
- (c) a water soluble or water-dispersible binder material of the kind herein described forming the balance of the composition.

(Complete Specification : 34 Pages; Drawing Sheet Nil)

Ind. Cl. : 189

180753

Int. Cl.⁴ : A61F 13/18

AN ODOR ABSORBING COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, USA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, 45202, USA.

Inventors : NANCY KARAPASHA.

Application for Patent No. 113/Del/91 filed on date 13-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An odor absorbing composition in the form of bonded particles characterised in that the said particles comprises a cohesive mixture of :

- (a) 20—50% by weight of an odor absorbing agents comprising substantially black carbon particles;
- (b) 20—45% by weight of substantially white particles selected from the group consisting of white odor absorbing agents selected from odor absorbing zeolites, odor absorbing clays, activated alumina and mixture thereof and white color masking materials; and
- (c) the balance comprising a water soluble or water dispensable binder material; said bonded particles being substantially lighter in color to the naked eye as compared with the original black color of said carbon particles.

(Complete Specification : 35 Pages; Drawing Sheet Nil)

Ind. Cl. : 70 B

180754

Int. Cl. : HO 1M 4/32

A METHOD FOR THE MANUFACTURE OF A HYDROGEN STORAGE NEGATIVE ELECTRODE FOR USE IN A REVERSIBLE ELECTROCHEMICAL CELL.

Applicant : ENERGY CONVERSION DEVICES, INC., A COMPANY ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMERICA, OF 1675 W. MAPLE ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventors :

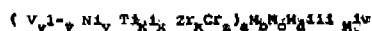
- (1) MICHAEL ARTHUR FETCENKO,
- (2) STANFORD ROBERT OVSHINSKY,
- (3) KOZO KAJITA,
- (4) HIROKAZU KIDOU,
- (5) JOSEPH LAROCCA,
- (6) MYRON RUDNITSKY.

Application for Patent No. 117/Del/91 filed on date 13-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

12 Claims

A method for the manufacture of a hydrogen storage negative electrode for use in a reversible, electrochemical cell, said electrode having a multicomponent V-Ti-Zr-Ni-Cr type electrochemical hydrogen storage alloy having at least one modifier therein which increases the low temperature voltage of the alloy measured in a sealed, rechargeable, electrochemical cell, said method comprising subjecting to conventional alloying operations predetermined amounts of V, Ti-Zr, Ni and Cr in the presence of at least one modifier of the kind such as herein described to produce an alloy having the composition.



Where x^I is between 1.8 and 2.2, x is between 0 and 1.5, y^I is between 3.6 and 4.4, y is between 0.6 and 3.5, z is between 0.0 and 1.44, a designates that the V-Ni-Ti-Zr-Cr component, $(V_{1-x}Ni_yTi_{1-x}Zr_xCr_z)$, as a group, is at least 70 atomic percent of the alloy, and M^I , M^{III} and M^{IV} are modifiers, and b, c, d , and e are modifier concentrations in the alloy, and the sum of b, c, d , and e is an effective amount of modifier up to 30 atomic percent of the alloy and subjecting said alloy to conventional shaping operations to produce said hydrogen storage negative electrode.

(COMPLETE SPECIFICATION 75 PAGES DRAWINGS 18 SHEETS)

Ind. Cl. : 206J

180755

Int. Cl. : H04B 7/00

A SYSTEM FOR COMMUNICATING WITH CRYPTOGRAPHICALLY ENCODED DATA WITHIN A DIGITAL TELECOMMUNICATIONS SYSTEM.

Applicant : TELEFONAKTIEBOLAGET LM ERICSSON, A SWEDISH COMPANY, OF S-126 23 STOCKHOLM, SWEDEN.

Inventor : PAUL WILKINSON DENT.

Application for Patent No. 119/Del/91 filed on 14-2-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A system for communicating with cryptographically encoded data within a digital telecommunications system, comprising :

generating means (116) in a radio transmitter for producing a first pseudo-random key stream of bits in accordance with an algorithm which is a function of a multi-bit digital value contained in a first register;

incrementing means (220) connected to said first register for increasing the value contained in said first register at regular periodic intervals to vary the pattern of bits in the first key stream;

first combining means (221) connected to said incrementing means (220) for combining the bits to the first pseudo-random key stream with a stream of data bits carrying communications information to cryptographically encode said data;

transmitting means (117, 119) in said radio transmitter for transmitting said encoded data to a receiver;

further transmitting means (222) connectable to said incrementing means (220) and to said combining means for transmitting to said receiver at regular periodic intervals & interspersed with said transmissions of encoded data the value contained in said first register;

further generating means (116) in a radio receiver for producing a second pseudo-random key stream of bits in accordance with said algorithm which is a function of a multi-bit digital value contained in a second register;

further incrementing (223, 224) means connected to said second register for increasing the value contained in said second register at the same regular periodic intervals as said first register to vary the pattern of bits in the second key stream in an identical fashion to the pattern of bits in the first key stream;

second combining means (228) connected to said incrementing means for combining the bits of the second pseudo-random key stream with the received stream of cryptographically encoded data to decode said data into said communications informations and

comparison means (224) connected to said incrementing means (220) and to said combining means for (228) periodically comparing the value contained in said second register with the received value of the first register to determine

whether the two values correspond for corresponding moments of time and whether the first and second key streams are in synchronism with one another

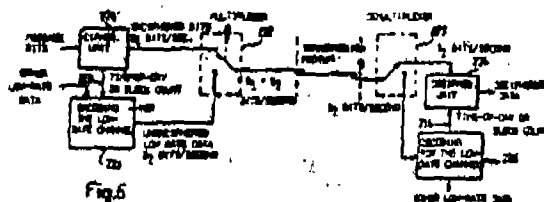


Fig. 6

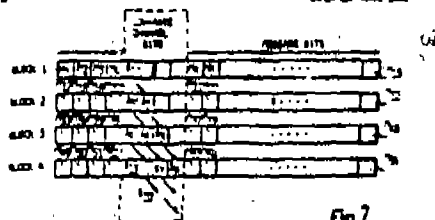


Fig. 7

(Complete Specification : 47 Pages; Drawing Sheets 7)

Ind. Cl. : 170 B+D

180756

Int. Cl.⁴ : C11D 9/00

CONTINUOUS PROCESS FOR PREPARING LOW DENSITY AERATED SOAP OF TOILET SOAP QUALITY.

Applicant : COLGATE-PALMOLIVE COMPANY, 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors :

- (1) MARY MIDDLEBROOK,
- (2) BARRY MICHAEL WEINSTEIN.

Application for Patent No. 127/Del/91 filed on 19-2-1991.

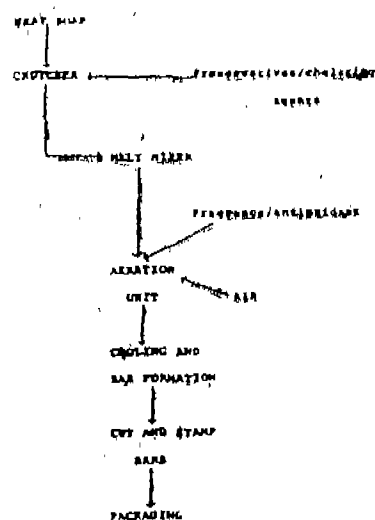
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A continuous process for preparing low density aerated soap of toilet soap quality which comprises the steps of :

- (a) preparing neat soap with a composition of 10 to 50% coconut oil and 50 to 90% tallow with moisture content between 27% and 35%.
- (b) feeding the molten soap mass into a continuously operating high shear mixer.
- (c) casting the soap into the soap making frames.
- (d) cooling, cutting stamping and wrapping the bars.
- (e) characterised in that prior to casting soap, air is continuously incorporated into the molten soap by high shear mixing at a pressure of about 90 psi while working the molten soap.

FIGURE 1
CONTINUOUS PROCESS FOR LOW DENSITY SOAP QUALITY



(Complete Specification 10 Pages; Drawing Sheets 2)

Ind. Cl. : 77A

180757

Int. Cl.⁴ : C 11 B 1/00

AN IMPROVED PROCESS FOR THE PREPARATION OF PHOSPHATED SULPHATED FATLIQUORS BASED ON MARINE, ANIMAL AND VEGETABLE OILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001.

Inventors : KRISHNA IYER VIJAYALAKSHMI, GEETHA BASKAR, VEMU VENKATA MURALIDHARA RAO, KANGAYAM SUBRAMANYA JAYARAMAN, SAMBO SANKARA RAJADURAI, GOPALAKRISHNA THYAGARAJAN, KRISHNASWAMI PARTHASARATHI.

Application for Patent No. : 134/Del/91 filed on 20-2-91.

Complete left after provisional filed on 10-5-1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

An improved process for the preparation of phosphated sulphated fatliquors based on marine, animal and vegetable oils which comprises :

- (a) reacting an appropriate marine, animal or vegetable oil with polyethylene glycol 200/400/600 in equal molar proportions in the presence of an acid catalyst such as herein described to obtain the polyethylene glycol monoester of the fatty acid and a mixture of mono and diglycerides,
- (b) reacting the polyethylene glycol monoester of the fatty acid and the mixture of mono and diglycerides with ortho phosphoric acid in equal molar proportions at a temperature in the range of 150—190°C over a period ranging from 2 to 5 hrs,
- (c) sulphating the phosphated mono ester and the mixture of mono and diglycerides by known methods and
- (d) neutralising the resultant solution with an alkali solution to pH 6.5—7.0 to obtain the phosphated sulfated fat liquors.

(Provisional Specification : 8 Pages; Drawing Sheet : Nil)

(Complete Specification : 10 Pages; Drawing Sheet : Nil)

Ind. Cl. : 32 F (3b)
Int. Cl.⁴ : C07C, 51/16.

180758

A PROCESS FOR THE PREPARATION OF NOVEL HYDROXYLATED FATTY ACIDS AND ESTERS FROM LONG CHAIN PARAFFINS CONTAINING 14-30 CARBON ATOMS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

VIJAYALAKSHMI KRISHNA IYER,
GEETHA BASKAR,
VEMU VENKATA MURALIDHARA RAO,
SAMBO SANKRA RAJADURAI.

Application for Patent No. 135/Del/91 Filed on Date 18-5-92.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims-4

A process for the preparation of novel hydroxylated long chain fatty acids and esters from long chain paraffins containing 14-30 carbon atoms which comprises passing air through the said paraffin at a rate in the range of 25 to 200, Litres per minute during the period in the range of 5 to 15 hours, in the presence of an oxidising catalysts such as potassium permanganate, nitric acid chromic acid, cobalt nitrate.

Complete Specification 7 Pages; and Drawing Sheet NIL.

Ind. Cl. : 77A
Int. Cl.⁴ : C11B 1/00.

180759

A PROCESS FOR PREPARATION OF ANIONIC ACID STABLE FAT LIQUORS BASED ON HIGHLY UNSATURATED VEGETABLE OR MARINE OILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001.

Inventors :

KRISHNA IYER VIJAYALAKSHMI,
GEET BASKAR,
VENU VENKATA MURALIDHARA RAO,
SUBRAMANYA JAYARAMAN,
SAMBO SANKARA RAJADURAI,
GOPALAKRISHNA THYAGARAJAN.

Application for Patent No. 136/Del/91 filed on 20-2-1991.

Complete left after Provisional filed on 18-5-1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims - 8

A process for the preparation of anionic acid stable fatliquors based on highly unsaturated vegetable or marine oils which comprises oxidising an appropriate vegetable, marine oil by passing air through the oil using a catalyst comprising the nitrate/nepthenate salt of cobalt/manganese at a temperature in the range of 60—120°C for a period ranging from 4-8 hours to obtain an oxidised oil having peroxide value of 60-200, mixing the said oil with 5 to 20% a non-ionic/anionic emulsifier based on vegetable oil/petrochemicals and subjecting the resultant mixture to oxidative sulphonitation at a temperature in the range of 60—90°C using 20—40% solution of sodium bisulphite as a saturated solution for a period ranging from 6-10 hours to obtain anionic acid stable fatliquors.

(Provisional Specification 7 Pages; Drawing Sheet Nil).
(Complete Specification 10 Pages; Drawing Sheet Nil).

Ind. Cl. : 39N
Int. Cl. : B01J, 21/10.

180760

A PROCESS FOR PREPARING A SOLID CATALYST SUITABLE FOR A HETEROGENEOUS PROCESS FOR POLYMERISING ONE OR MORE OLEFINS.

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76, BUCKINGHAM PALACE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventors :

JEAN-CLAUDE ANDRE BAILLY,
CHRISTING JACQUELINE CHABRAND.

Application for Patent No. 142/Del/91 Filed on Dated 20-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims-6

A process for preparing a solid catalyst suitable for a heterogeneous process for polymerizing one or more olefins, wherein a solid support (A) containing from 80 to 99.5 mol% of magnesium chloride and from 0.5 to 20 mol%, of at least one organic electron-donor compound, D, free from labile one hydrogen, of the kind such as herein before described the solid support(A) being the form of spheroidal particle having a mass-average diameter, DM, of 10 to 100 microns and a particle size distribution such that the ratio of Dm to the number-average diameter, Dn, of the particles is not higher than 3, is brought into contact with a zirconium metallocene (B) and at least one halide (C) of a transition metal (TM) chosen from titanium or vanadium, and optionally with a organoaluminium compound (E), preferably an aluminoxane.

Complete Specification 32 Pages; and Drawing Sheet NIL.

Ind. Class - 199.

180761

Int. Cl.⁴ : H 01 H 35/18.

APPARATUS FOR AUTOMATICALLY MAINTAINING WATER/LIQUID LEVELS IN TANKS AND SUMPS.

Applicant & Inventor : PADMANABHA GOPALA KURUP PROPRIETOR, REMPAL HYDRAULICS, "REMPAL HOUSE", 4/47, SATHYANAGAR, MOUNT POONAMALLIE ROAD, CHENNAI-600 089, TAMIL NADU, INDIA.

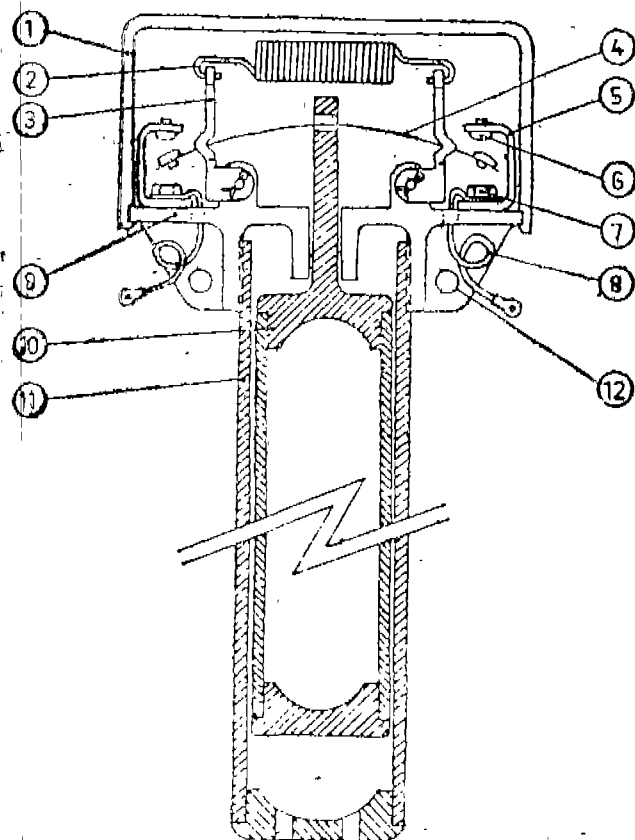
Application No. 454/Mas/92 dated July 27, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

7 Claims

An apparatus for automatically maintaining water/liquid levels in tanks and sumps comprising a body having a hole disposed at the centre of the base of the said body, a hollow outer cover connected to a downwardly projecting portion of the said body, a float cum actuator slidably disposed inside the said outer cover, the top portion of said float cum actuator projecting upwards through the said hole of the said body, a strip, actuatable by the said float cum actuator, being held between two holders, the said holders being connected to the base of the said body, a tension spring being connected between the top portion of the said holders, a pair of conductors being connected to the base of the said body of two opposite ends of the said body, a plurality of silver contacts being provided on said strip and the said conductors.

electrical lead wires being connected to the said conductors at the bottom portion of said conductors and a cover fitted to the said body.



(Com. - 9 Pages;

Drawgs. - 2 sheets)

Ind. Class 51-B

180762

Int. Cl.⁷ : A 01 G 23/12.

A BLADE CHANGEABLE/REPLACEABLE RUBBER TAPPING KNIFE.

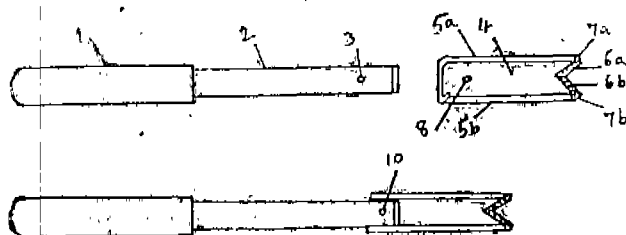
Applicant & Inventor : PARAPPURATHU KURAIN MATHAN, AN INDIAN NATIONAL, OF PARAPPURAM, PALLOM P.O., KOTTAYAM - 686 007, KERALA, INDIA.

Application No. 455/Mas/92 dated Jul. 27, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A blade changeable/replaceable knife for tapping rubber trees, comprising a handle body, a blade having a base with vertical ridges along its longitudinal edges, the tip of the blade being V-shaped with sharp edges, and a means for detachably fixing said blade to said handle body.



(Comp. - 13 Pages;

Drawgs. - 2 Sheets)

4-497 GI/97

Ind. Class - 107 G

180763

Int. Cl.⁷ - F01B 9/02.

APPARATUS FOR CONVERTING RECIPROCATING MOTION TO ROTARY MOTION AND VICE VERSA.

Applicant : COLLINS MOTOR CORPORATION LIMITED OF PO BOX 6528, EAST PERTH 6892, WESTERN AUSTRALIA (AN AUSTRALIAN COMPANY).

Inventors :

1. MICHAEL RICHARD LESLIE DANIEL,
2. GRAHAM HARRY FOUNTAIN.

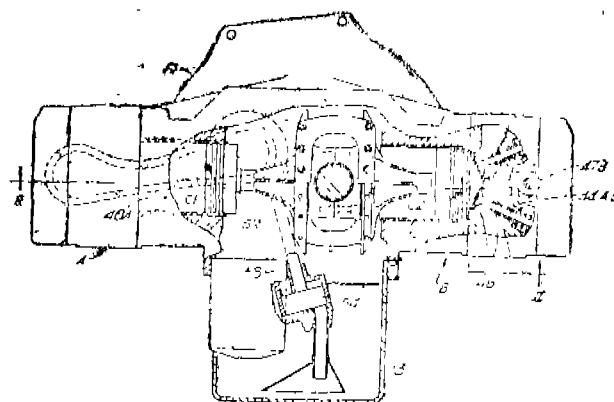
Convention Date : 20th August 1991 (No. 9117975.4), UNITED KINGDOM.

Application No. 456/Mas/92 dated 27th July, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

Apparatus for converting reciprocating motion to rotary motion and vice-versa comprising a reciprocatory assembly guided for reciprocation in a first direction and comprising first and second reciprocating members each terminating in a planar guide surface transverse to the direction of reciprocation, and spacing the means interconnecting the two reciprocating members at opposite ends of the guide surfaces to maintain the guide surfaces parallel, spaced apart and facing each other, a drive block having opposed guide faces each slidably engaged with a respective one of the guide surfaces of the reciprocating members, a rotary member mounted for rotation about an axis transverse to the said direction of reciprocation and having an eccentric portion rotatably engaged in a plain bearing in the drive block and a lubrication system for supplying lubricant under pressure through the rotary member to a plurality of outlet ports in the surface of the eccentric portion, the drive block having a passage leading to the respective guide surfaces from respective ports in the plain bearing positioned to communicate with the outlet ports of the eccentric portion as the latter rotates in its bearing, wherein the bearing port or ports connected with a guide surface lie within a quadrant of the plain bearing, the two quadrants being on opposite sides of the axis of the bearing, and the outlet portion in the eccentric portion all lie in a sector thereof smaller than the angular extent of the unported portion of the bearing separating ports connected to different guide surfaces of the drive block.



(Com. 14 Pages;

Drawgs. 5 sheets)

Ind. Cl. : 145—C

180764

Int. Cl.⁴ : B 27 N 3/00

AN IMPROVED METHOD OF MAKING OVERLAID AND/OR REINFORCED COMPOSITE PARTICLE BOARDS FROM RICE HUSK AND BOARDS MADE THEREBY.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, OF 20—22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI 110048, AN INDIAN ORGANISATION.

Inventor : DR. JOSEPH GEORGE.

Application No. : 457/Mas/92 dated July 28, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

12 Claims

An improved method for making overlaid and/or reinforced composite particle boards from rice husk comprising the steps of admixing rice husk with a substantially moisture free CNSL and/or cardanol-phenol-formaldehyde resin, to obtain a furnish, reinforcing and/or overlaying the said furnish with coconut fibre, wood strips, bamboo slivers, falted coconut fibre, wood veneer, bamboo mats, and the like lignocellulosic materials coated with any known phenolic adhesive resin substantially free of moisture and subsequently hot pressing the said reinforced and/or overlaid assembly to form the said composite particle board.

(Com. : 9 Pages)

Ind. Cl. : 65 b 2

180765

Int. Cl.⁴ : H 01 F 3/04

METHOD OF MANUFACTURING WOUND CORE.

Applicant : DENKI TETSUSHI INDUSTRIAL CO., A JAPANESE COMPANY, OF 7-2-10 IRIYA, ADACHI-KU, TOKYO, JAPAN.

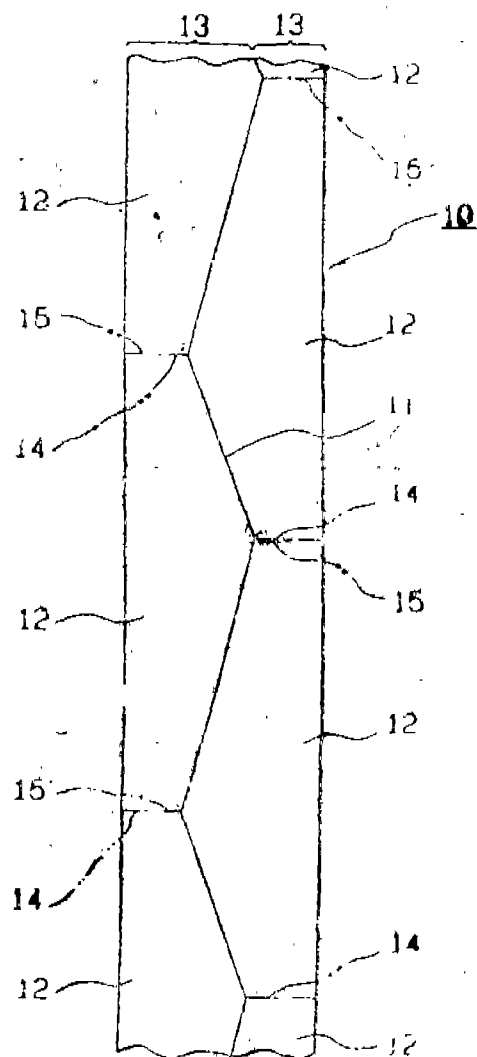
Inventors : 1. TADATOSHI WATABE, 2. SHOICHI MIYASAKA.

Application No. : 458/Mas/92 dated July 28, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

2 Claims

A method of manufacturing a wound core comprising the steps of cutting one belt shaped magnetic material along one polygonal line that extends to the longitudinal direction for obtaining two continuous materials consisting sequential connection of winding materials, having a shape of long, narrow pentagon with narrow width at the leading end, wider width at the middle part and narrow width at the trailing end, and one of the side edges the cut material being a straight line and the other edge being a polygonal line; and winding one of said winding materials maintaining the center thereof at a fixed position in the width direction to obtain a wound core with a hexagonal cross-section.



(Com. : 14 Pages;

Drwgs. : 5 Sheets)

Ind. Cl. : 32F1

180766

Int. Cl.⁴ : C07F 7/14

PROCESS FOR THE PREPARATION OF METHYL-CHLOROSILANES.

Applicant : WACKER-CHEMIE GMBH, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HANNS-SEIDEL-PLATZ 4, 8000 MUNCHEN 83, FEDERAL REPUBLIC OF GERMANY.

Inventors :

- (1) DR. WILFRIED KALCHAUER.
- (2) DR. BERND PACHALY.

Application No. 459/Mas/92 dated 28th July 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

6 Claims

A process for the preparation of methylchlorosilanes by reaction of methylchlorosilanes with hydrogen chloride in the presence of a metal selected from sub-group VIII of the Periodic Table as the catalyst.

(Comp. 10 Pages)

Ind. Cl.: 99E

180767

11 Claims

Int. Cl.: B 65 D 55/02

CAP FOR A CONTAINER.

Applicant: THE WELLCOME FOUNDATION LIMITED OF UNICORN HOUSE, 160 EUSTON ROAD, LONDON NW1 2BP, ENGLAND; A BRITISH COMPANY.

Inventor: BRIAN LESLE OGDEN.

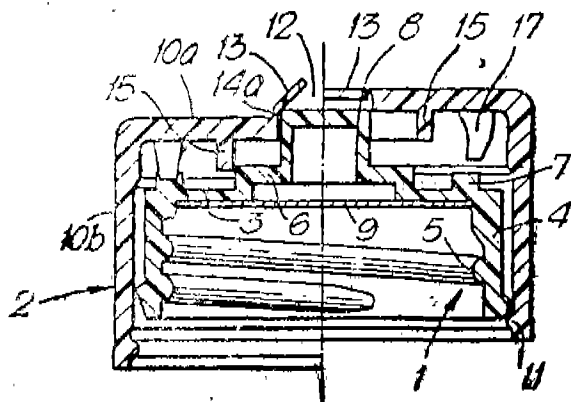
Application No. 160/Mas/92 dated 29th July 1992.

Convention Date: July 30, 1991; (No. 9114389.9; United Kingdom) October 18, 1991 (No. 9122144.0; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

12 Claims

A cap (1) for a container having a screw threaded opening comprising an inner part (3) in the form of a screw threaded cap, an outer part (2), the inner part being axially displaceable relative to the outer part and biased therefrom between an unlocking and locking position, resilient biasing means (17) between the inner and outer parts (3, 2), a boss (6), and engagement means (15) adapted to engage with the boss (6) upon depression of the outer part (2), a plurality of projections (7) and a second engagement means (18) adapted to engage with said plurality of projections (7) upon depression of the outer part (2), such that turning the cap will unscrew it from the container, wherein one of the boss (6) or engagement means (15) is located on the top surface of the inner part (3), and the other is located on the inner top surface of the outer part (2), and wherein one of the plurality of projections (7) or second engagement means (18) is located on the top surface of the inner part (3) and the other is located on the inner top surface of the outer part (2).



(Com. 12 Pages:

Drawings 4 Sheets)

Ind. Cl.: 172 C 2

180768

Int. Cl.: D 01 G 11/00

DETACHING ROLLER AGGREGATE FOR A COMBING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG, A SWISS COMPANY, CH-8406 WINTERTHUR, SWITZERLAND.

Inventor:

(1) CLEMENT HEINZ.

(2) ALLEMANN JEAN-CLAUDE.

(3) RITZ KURT.

Application No. 461/Mas/92 dated 29th July 1992.

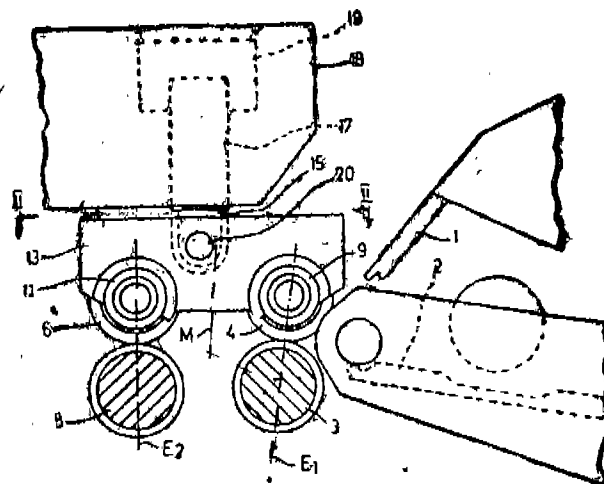
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

A detaching roller aggregate for a combing machine comprising:

a first pair of cylinders having a detaching roller and printing cylinder for receiving a fibre off from a combing machine for attachment to a previously formed fleece, said detaching roller being rotatable in a pilgrim step movement;

a second pair of cylinders having a second detaching roller and a second printing cylinder for passage of the fleece therebetween, said second detaching roller being rotatable in a pilgrim step movement; and

pressing means for pressing said cylinders of said first pair together under a first force against each other and said cylinders of said second pair together under a second force against each other larger than said first force.



(Com. 12 Pages:

Drawings 3 Sheets)

Ind. Cl.: 51-C & E

180769

Int. Cl.: B 26 D 3/00; A 47 J 43/25

A MANUALLY OPERATED VEGETABLE CUTTING SYSTEM.

Applicant & Inventor: PATTABHIRAMAN CHANDRAMOULI, NO. 66, BANGO STREET RAMAKRISHNA NAGAR, GOUNDAMPALAYAM, COIMBATORE-641030, TAMIL NADU, INDIA, INDIAN NATIONAL.

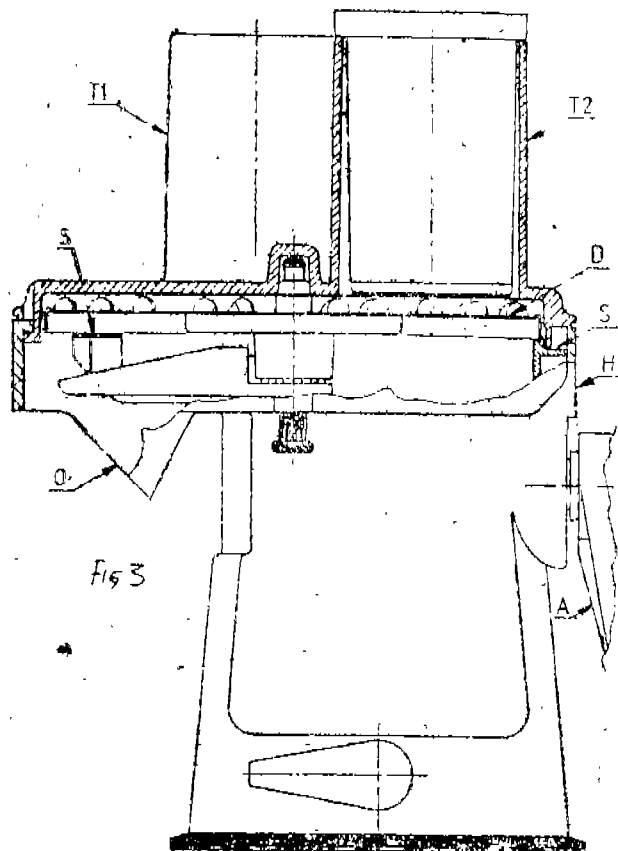
Application No. 464/Mas/92 dated July 31, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

4 Claims

A manually operated vegetable cutting system comprising a housing provided with a base vacuum lock, said housing accommodating horizontal cutting discs manually rotatable by a handle, the housing being closed by a lid carrying twin feed tubes, provided with a pusher, for insertion of vegetables thereinto, the housing having an outlet for discharge of cut vegetables therefrom, the said feed tubes being positioned above and close to the outlet such that vegetables are discharged immediately from the outlet after being cut, the said feed tubes being also disposed close to the handle and directly over the said lock for securing a mechanical advantage and a positive downward pressure on the lock while rotating the

handle, the said cutting discs being supported on three spaced supports disposed within the housing for greater stability in operation.



(Com. 8 Pages)

Drawgs. 4 Sheets)

Ind. Cl : 141A

180770

Int. Cl4 : C 22 B 1/00

AN ORE PELLETISATION PROCESS.

Applicant : ALLIED COLLOIDS LIMITED, A BRITISH COMPANY, PO BOX 38, LOW MOOR, BRADFORD, WEST YORKSHIRE BD12 0JZ, ENGLAND

Inventor : ANTHONY PETER ALLEN.

Convention Date : 2nd August 1991 (No. 9116700.7-United Kingdom).

Application No. 465/Mas/92 dated 31st July 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An ore pelletization process which comprises forming an intimate mixture of particulate ore and particulate binder in the presence of moisture, forming green pellets by agitation of the mixture and firing these to produce ore pellets, and in which the particulate binder comprises synthetic polymer particles, wherein the synthetic polymer particles consist essentially of powder particles which have a size of 20 to 300 μ m and which have been formed by polymerization of a water soluble ionic ethylenically unsaturated monomer or monomer blend including added cross-linking agent, and which have a solubility in water to form a substantially uniform film having a thickness less than the average particle diameter.

(Com. 17 pages;

Drawing Nil)

CLAIM UNDER SECTION 20 (1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 492/Cel/94 (178310) made by Mobius consultancy Pty. Ltd. has been allowed to proceed in the name of Main Camp Marketing Pty. Ltd.

AMENDMENTS PROCEEDINGS UNDER SECTION 57

Notice is hereby given that GEC Alsthom Mechanical Handling Limited, England has/have made an application on Form-29 under Section 57 of the Patents Act, 1970 for amendment of Specification of their application for Patent No. 672/Del/88 (174344) for "Airbridge". The amendments are by way of change of name from GEC Mechanical Handling Limited to GEC Alsthom Mechanical Handling Limited, England. The application for amendment and the proposed amendments can be inspected free of charge at the patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Mobile Solar Energy Corporation has/have made an application on Form-29 under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 353/Del/88 (175341) for "Apparatus for growing tubular crystalline bodies". The amendments are by way of change of name from Mobile Solar Energy Corporation to use Americans, Inc. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Ormat Industries Ltd. of P. O. Box 68, Yanve 70650, Israel, an Israeli corporation has made an application under Section 57 of the Patents Act, 1970, for amendment of specification of their application for Patent No. 178250 for "Apparatus for controlling turbulence in fluid flow".

Amendment by way of correction in the Complete Specification. The application for amendment and the proposed amendment can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700020. If the written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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178703.						

PATENT SEALED ON 13-02-98

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CAL-23, DEL-01, MUM-NIL, CHEN-07.

*Patent shall be deemed to be endorsed with words LINCENCE OF RIGHT Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D - DRUG PATENTS.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 173561, Parekhplast, F 34, Nand Dham Ind. Estate, Marol, Maroshi Road, Andheri (E), Mumbai-400059, Maharashtra, India, an Indian partnership firm, "Portable Hanger Rod", 7th April 1997.

Class 1. No. 173560, Parekhplast, an Indian partnership firm, F-35, Nand Dham Ind. Estate, Marol, Maroshi Road, Andheri (E), Mumbai-400059, Maharashtra, India, "Shelf", 7th April 1997.

Class 1. Nos. 173576 & 173577, Mary Anthony, trading as Pilots India, Indian national, at Kalleetumkera 680683, Trichur District, Kerala State, India, "Roaster", 7th April 1997.

Class 1. No. 173558, Baume & Mercier S.A., A Swiss company of 9, rue Le Royer, 1227, Geneve, Switzerland, "Wrist Watch", 7th April 1997.

Class 1. Nos. 173508 to 173510, Kanin (India) Pvt. Ltd., Industrial Plot No. 79, Sector 25, Faridabad-121004, Haryana, India, an Indian company duly registered under the Comp. Act, 1956 of the above address, "Stapler", 2nd April 1997.

Class 1. No. 173412, Chief Controller, Dept. of Defence Research and Development Defence Research & Development Organisation, Ministry of Defence, Govt. of India, Sena Bhawan, New Delhi-110011, India, "A Strip Cutter", 25th March 1997.

Class 1. No. 173416 & 173417, Chief Controller, Dept. of Defence Research and Development Defence Research and Development Organisation, Ministry of Defence, Govt. of India, Sena Bhawan, New Delhi-110011, India, "Gel Strip Cutter", 25th March 1997.

Class 3. No. 173429 & 173430, Chief Controller, Dept. of Defence Research and Development Defence Research and Development Organisation, Ministry of Defence, Govt. of India, Sena Bhawan, New Delhi-110011, India, "Gel Strip Cutter", 25th March 1997.

Class 3. No. 173431 to 173434, Chief Controller, Dept. of Defence Research and Development Defence Research and Development Organisation, Ministry of Defence, Govt. of India, Sena Bhawan, New Delhi-110011, India, "Gel Slot Maker", 25th March 1997.

Class 3. No. 173547, Indo Mobile Limited, of Paharpur Business Centre, 22-22, Nehru Place, New Delhi-110019, India, an Indian Company and Kamet Plastics Pvt. Ltd., of F 40, South Extension 1, New Delhi-110049, India, an Indian company, "A Tamper Indicating Closure", 4th April 1997.

Class 3. No. 173513, Vijay Bande, Indian national, trading as Electro-Mech engineers, at 13, Narayan Bagh, Indore-452004, Madhya Pradesh, India, "Foot Valve", 2nd April 1997.

Class 3. No. 173527, Greensheel Pvt. Ltd., an Australian company of 6, Barrie Road, Tullamarine Victoria-3043, Australia, Electrical Socket, 3rd April 1997.

Class 3. No. 173592, Fujitsu General Ltd., a Japanese company of 1J16, Su naga, Takasu-ku, Kawasaki-shi, Kanagawa-ken, Japan, "An Air Conditioner", 9th April 1997.

Class 3. No. 173575, Micha Hertzano, a citizen of Israel, of 53 Drezner Street, Tel-Aviv, Israel, "Holder for Game Tiles", 7th April 1997.

Class 3. No. 173524, Jyoti Trading Company, a sole proprietorship concern at 10059, Gali Zamir Wali, Azar Market, Delhi-110006, India, "Night Lamp", 3rd April 1997.

Class 3. No. 173591, Peacock Industries Ltd., Kodiyat Road, Sisarma, P. B. No. 184, Udaipur-313001, an Indian company, "Moulded Chair", 9th April 1997.

Class 3. No. 173505, Parag Enterprises, of E-53, Industrial Area, Sikandra, Site-C, Agra, U.P., an Indian proprietary concern, "Contained" 1st April, April, 1997.

Class 3. No. 173548, Mukesh Kumar Gupta, an Indian national of 11/A Debendra Mullick Street, Calcutta-73, West Bengal, India, "Bed Table", 4th April 1997.

Class 3. No. 173525, Jyoti Trading Company, a sole proprietorship concern, at 10059, Gali Zamir Wali, Azad Market, Delhi-6, India, "Candle Stand", 3rd April 1997.

Class 3. No. 173578, Core Healthcare Ltd., having regd. office at Core Towers, near Parimal Rly. Crossing, C. G. Road, Ahmedabad-380006, India, an Indian company, "Peritoneal Dialysis Single Sac with attachment", 7th April 1997.

Class 3. No. 173579, Core Healthcare Ltd., having regd. office at Core Towers, near Parimal Rly. Crossing, C. G. Road, Ahmedabad-380006, India, an Indian, an Indian company, "Peritoneal Dialysis Double Sac", 7th April 1997.

Class 3. No. 173511, Smithkline Beecham Consumer Healthcare GmbH, of Hermannstrasse 7, D 77815, Buhl (Baden), Germany, a German company, "Toothbrush", 3rd October 1996.

- Class 3. No. 173595, Ericsson Radio Systems B V., Dutch company, of Nicolaus amstelroestraat 40 1814 VA Emmen, The Netherlands, "Numerical Pager", 9th April, 1997.
- Class 3. No. 173565, Acqua Minerals Pvt. Ltd., an Indian company having its regd. office at 101, GIDC Industrial Area, Vatva, Ahmedabad 382445, India, "Bottle", 7th April 1997.
- Class 3. Nos. 173598/173599, The Gillette Company, a Delaware corporation of Prudential Tower Bldg., Boston, Massachusetts 02199, U. S. A., "Razor Handle", 10th April 1997.
- Class 3. No. 173503, Sanyo Electric Co. Ltd., a Japanese corporation of 5-5, Keihanondori 2-chome, Moriguchi-shi, Osaka, Japan, "Washing Machine", 1st April 1997.
- Class 5. No. 173517, Rollatainers Ltd., an Indian company of 13/6 Mathura Road, Faridabad 121003, Haryana, India, "Carton", 2nd April 1997.
- Class 10. No. 173521, Alert India, a partnership firm of address C/1, S. M. A. Industrial Estate, G. T. Karnal road, Delhi 33, India, "The Sole of Footware", 3rd April 1997.
- Class 10. Nos. 173596 & 173597, Deiem (India) Pvt. Ltd., A-4/2, Mayapuri New Delhi 110004, India, a company duly incorporated Indian Companies Act, 1956, "Shoe", 9th April 1997.
- Class 10. Nos 173583 & 173585, Nikhil Footware Ltd., a company incorporated under the Indian Comp. Act, G-11, Udyog Nagar, Delhi, India, "Sole of Footware", 8th April 1997.
- Class 12. Nos 173522 & 173523, Taurus Exports of P-65, South Extension Part II, 3rd New Delhi 110049, India, an Indian company, "Furnishings", 3rd April 1997.
- Class 1. No. 173861, Munishwar Kumar, SD-491, Tower Apts. Pitampura, New Delhi 110034, India, "Fab (Fixed & Balanced) Shelves", 15th May 1997.
- Class 1. No. 173862, Munishwar Kumar, SD 491: Tower Apts. Pitampura, New Delhi 110034, India, "Bed-cum Rack", 15th May, 1997.
- Class 1. Nos. 173850/173849, Honda Giken Kogyo Kabu-shiki Ka.sha, also trading as Honda Motor Co. Ltd., of No. 1-1, Minamioyama 2-chome, Minato-ku, Tokyo, Japan, a Japanese company, "Internal Combustion Engine" 12th May 1997.
- Class 1. No. 173931, Bhaskar K. Thakkar, B-11/12, Suvar-nalaxmi Appts, Waghodia Road, Baroda-390019, Gujarat, India, an Indian national, "Strainer-cum-Water Sealer for Kitchen Smk", 28th May, 1997.
- Class 1. No. 173960, Shivoy, 5055, Bazar Sirkiwalan, Hauz Ganj, Delhi-110 006, India, a proprietorship firm, "Storing Means for Measuring Tape", 3rd June 1997.
- Class 3. No. 173961, Shivoy 5055, Bazar Sirkiwalan, Hauz Gazi, Delhi-110006, India, a proprietorship firm, "Storing Means for Measuring Tape", 3rd June 1997.
- Class 3. No. 173890, Bajaj Auto Ltd., Akurdi, Pune-411035, Maharashtra, India, an Indian company, "Scooter Seat", 19th May 1997.
- Class 3. No. 173851, M/s. Rustogi Engineering Udyog (P) Ltd. G-90, Preet vihar, Delhi 110092, India, an Indian Company, "Shoe Sole", 12th May 1997.
- Class 3. No. 173891, Crystal Plastics and Metallizing Pvt. Ltd., a private limited company incorporated under the Indian Comp. Act, having its regd. office at Sanghi House, Palkhi Galli, off veer Savarkar Marg, Prabhadevi, Mumbai 400025, Maharashtra, India, "Comb", 20th May 1997.
- Class 3. Nos. 173892 & 173893, Crystal Plastics and Metal-lizing Pvt. Ltd., a private limited company incor-porated under the Indian Comp. Act, having its regd. office at Sanghi House, Palkhi Galli, off veer Savarkar Marg, Prabhadevi, Mumbai 400025, Maharashtra, India, "Brush", 20th May 1997.

T. R. SUBRAMANIAN

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